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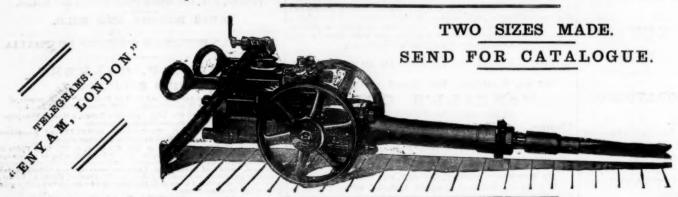
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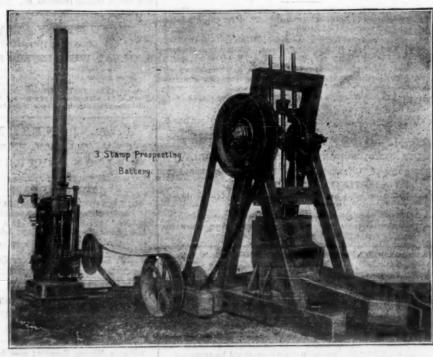
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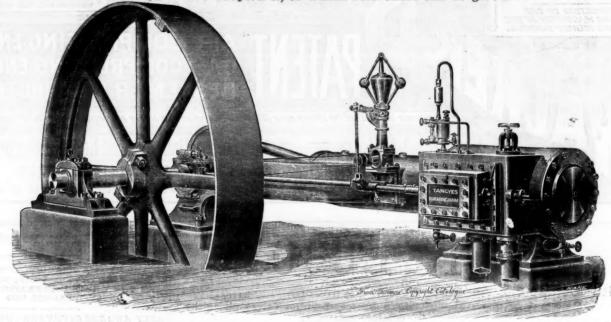
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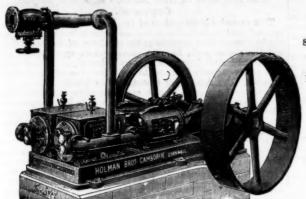


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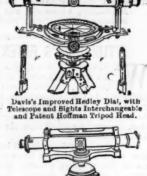
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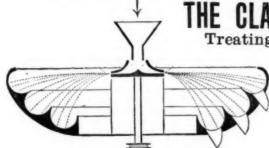
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NEW PATENTS.

LIST of APPLICATIONS for New Patents relating to Mining Metallurgical, Engineering. Railway and kindred matters, specially compiled from official sources for the "Mining Journal" by Messrs Rayner and Company, Patent Agents, 37, Chancery Lane, London, W.C., who will forward all information regarding them free on application.

13218 W. H. Ryder and James Insole Ryde, 38, Stanley Street, Birmingham.
—Magnetic separator.—July 9.

13250 George Lowry, 8, Quality Court, Chancery Lane, London.—Improvements in stone breaking and crushing machinery.—July 9.

13254 George de Laval, 33, Chancery Lane, Loudon.—Improvements in stone breaking and crushing machinery.—July 9.

13270 Howard Lane and John Pullman, 65, Chancery Lane, London.—Improvements in boilers.—July 9.

13283 Samuel Griffin, Kingston Ironworks, Bath.—Improvements in gas and oil motor engines.—July 9.

13303 Brest de Pass, 78, Fleet Street, London.—Improvements in pumping engines for vacuum and air pumps.—July 10.

13333 George Croyden Marks, 18, Bouthampton Buildings, Chancery Lane, London.—Improvements in gas engines.—July 12.

13442 John Galileo Barclay, 98, Buchanan Street, Glasgow.—Improvements in and relating to pumping engines.—July 11.

13453 Malince McGriffin Greaves, Kersal Dale, Manchester.—An improvement in steam boiler furnace.—July 12.

13514 Michael Fits-Michael Mulready, 23, Southampton Buildings, London.—Improvements in furnace grates.—July 12.

13515 C. W. Thompson, 47, Lincoln's Inn Fields, London.—Improvements in apparatus for breaking and creshing stones, ores, &c.—July 12.

13514 J. W. Gill and Jabez Fenn, 47, Newport Street, Newfound, Pool, Leicester.—Engine.—July 13 Daniel Brett, 11, Southampton Buildings, London.—Improvements in alleidings, London.—Improvements in and relating to boilers chiefly

ederick Barker Hill and Robert Daniel Brett, 11, Southam; Buildings, London.—Improvements in and relating to boilers chi designed for hot water heating apparatus,

SPECIFICATIONS PUBLISHED.

12,976, Priestly, steam generator furnaces, 1893; 14,441, Sime, motive power engine, 1893; 15,587, McKay, steam boiler furnaces and flues, 1893; 15,947, Simms, whitelies, &c., for explosion enginer, 1893; 1472, Bell and Carter, precipitating gold and silver from cyanide solutions, 1894; 6744, Bénier, gas gene rators, 1894.

eve specifications published may be had of Messrs. Rayner and Com pany, 37, Chancery Lane, London, at 10d, each including postage

THE following is an extract from Mr. Klinke's report on the Denny Dalton Gold Field:—"The reef which is being prospected is suriferous, and shows in places patches of ore of an encouragis auriferous, and shows in places patches of ore of an encouraging nature, running about i ounce to the ton, or even more; but the average yield does not appear to exceed 4 dwts. to the ton. It is possible that by further prospecting in this country a reef may be found which, by economic working, will give a small profit; but at the present state of working, this country is not to be considered as a payable gold field. Owners of farms, who appear to feel satisfied at present in having handed their farms over to speculators for prospecting purposes, will be well advised in sticking to agricultural work, instead of looking hopefully forward to a doubtful golden future."

CONTRACTS

FOR MINE, QUARRY, RAILWAY, AND ENGI-NEERING WORK, STORES, &c.

. We shall be obliged by being promptly placed in possession of particulars regarding contracts open for competition, and of the results of successful tenders. In the latter case contract prices should be given,

The date given is that by which tenders must be delivered, in nearly all cases further information can be obtained on application at the addresses given. In applying for such the name of " The Mining Journal" should be mentioned as the original source of the information, concerning which further particulars are required.

HOME CONTRACTS.

Reservoirs, July 30 (Nelson), -For the construction of two storegy reservoirs, and other works in the Ogden Vailey, about five miles from Nelson, for the Corporation. Plans and specifications to be seen at the Town Hall, Nelson, or at the offices of Mesers, John Newton and Son, Carlton Buildings Choper Street, Manchester.

Undorframes, July 30 (London, E.C.)—For the supply of underframes, bogle trucks, and body ironwork, for the Bombay, Baroda, and Central India Railway Company. Tender must be made on form, copy of which, with specification, can be obtained at the offices, 45, Finsbury Circus, on payment of £1 1s., which will not be returned.

Rolling Stock, July 31 (London, N.) -For the supply of 30 or 50 new carriages and 12 four-wheeled 15-ton goods brake vans, for the Cheshire Lines Committee. Plans may be seen and specifications and forms of tender obtained on application to Mr. Thomas Parker, jun, loco. superintendent, M. S. and L. Works, Gorton.

Coal, July 30 (Caraarvon).—For the supply of 1700 tons (more or less) of coal and about 150 tons (more or less) of cannel or cannel nuts, delivered as required during the year ending August 31, 1895, free in trucks, Carnarvon railway station, London and North Western Railway, for the G Committee of the Carnarvon Corporation. Information to be obtained from Mr. Thomas Wilkinson, manager, Gas Office, Carnarvon.

Roconstruction of Bridge, August 7 (Theale, Berks).—For the reconstruction in iron of a bridge carrying the railway over the Holy Brock, near the Theale Station, for the Great Western Railway Company. Plans and specification may be seen, and forms of tender and bills of quantities obtained at the office of the Engineer at Reading Station between 10 a.m. and 4 p.m., Tenders to be addressed to Mr. G. K. Mills, secretary, Paddington Station, London.

Girder Bridges, August 8 (London, E.C.) - For the supply of plate girder ridges, for the Sombay, Baroda and Central India Railway Company, Tender orm with specification to be obtained at the offices, 45, Finsbury Circus, E.C., form with specificatio on payment of £1 ls.

Fencing (Edinburgh.)—For the erection of a murch fence between the farms of Dailand Barrs, on Loch Edive, Argylishire. Specifications to be obtained on application to Mr. Dune, Breadaibane Estate Office, Kemmere, or from Mesers. J. and F. Anderson, W.S., 48, Castle Street, Edinburgh.

Various Railway Stores.—For the supply of (1) weighbridges for bogic wagons and timber trucks (2) pillars, posts, &c., for fencing (3) gaivanised eyebbits and strand wire for fencing, for the Southern Mahratta Hailway Company (Limited), as per specification and drawings which may be seen at the office of the company, 44, Finsbury Circus, E.C.

FOREIGN CONTRACT

Rails. &c. (Copenhagen).—For the supply of 9000 tons of rails and 1750 tons of connecting parts, for the State Railways in Denmark. For conditions apply, by letter, to Comptoir der Staatsbahnaniagen, Reventiowsgade 1c, Copenhagen.

OUR INQUIRY COLUMN.

TO CORRESPONDENTS.

dents will please take note that all communications will in future be answered in this column and not through the medium of the post. All questions and replies should be accompanied by the name and address of

REPLIES.

C. L .- Certainly.

DUBIOUS .- We do not think you can recover the value of your

E. S.-We have not heard of any new stamps being erected.

F. D.-No dividend has been declared since last October.

ANXIOUS,-You need not trouble yourself so much. The shares are almost bound to rise.

COVENTRY.-You may risk the purchase of a few.

QUIDNUMC.—We have no high opinion of them. We are of opinion the directors are not looking after the interests of the share-holders as they ought.

GALENA.—(1.) There are several systems for treating lead tailings working successfully both at home and abroad. It is difficult to advise as to the best without knowing the percentage of lead in the tailings or the nature of the gangue. You will find much useful information on the subject in the following articles useful information on the subject in the following articles which have appeared during the year in The Mining Journal:—Choice of Concentration Machinery, February 3; Choice of Concentration Machinery, February 24; Old Fashioned Concentration Mills, May 26.—(2.) Three hundred tons a week is a very small quantity to treat, as the profits largely depend upon the treatment of large daily quantities in order to ensure economical working. The tailings must be ground sufficiently fine to liberate the grains of galena, and after hydraulic classification treated upon some type of concentrator such as the Frue vanner or the Bilhars slime table.—(3.) You had better put yourself in communication with Mr. E. H. Davis, M. S., F.G.S., of 6, Great Winchester Street, London, E.C., who is the author of a work dealing with the subject. of a work dealing with the subject.

MR. J. F. BEZUIDENHOUT has brought an action against the Worcester Gold Mining Company, in order to obtain a declara-tion that he, as owner of the soil, was entitled to all non-auriforous mineral products found in the company's claims, and to obtain £500 damages in respect of stone taken out of the claims and sold by the company to the Johannesburg Sanitary Board. The judge held that material taken out in the course of bona fide mining operations must be held to belong to the company, and judgment was accordingly given for the defendants, with costs.

MECHANICAL ENGINEERING: MACHINERY, MINING and RAILWAY

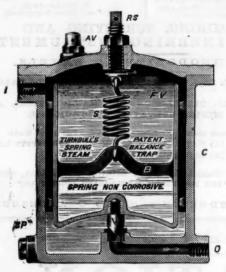
PLANT, &c.

Illustrated Descriptions of New and Standard Mechanical Appliances, Accessories and Processes, adapted to Mining, Metallurgical, Railway, Engineering and other Industrial

TURNBULL'S PATENT STEAM TRAPS.

E illustrate herewith the patent steam traps of Messrs Alexander Turnbull and Company, of Bishopbriggs Glasgow, a speciality of theirs which, we think, deserves publicity. In the balance traps, Nos. 1 and 2, I is the inlet, O the outlet, C the chamber, FV the float vessel, V the valve, S the regulating screw, AV the air valve, SP the sludge plug, or may be a small blow-through cock; the latter is recommended.

From the illustrations it will be apparent to all practical engineers that these traps are direct acting, and are of the simplest possible construction, and that there s an entire absence of cranks, levers, balls, aliding sleeve, double beat or screw shutting valves,



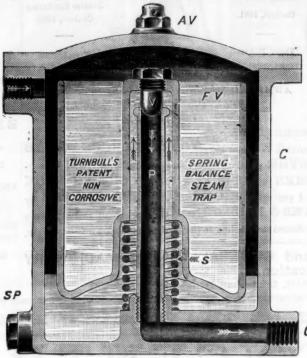
No. 1.

SPECIAL CORRESPONDENCE: COLONIAL AND FOREIGN.

OUR SOUTH AUSTRALIAN LETTER.

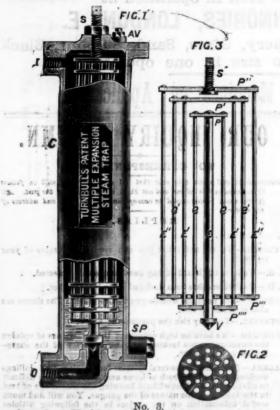
(FROM OUR OWN CORRESPONDENT).

E are at last showing unmistakeable signs of progress in gold mining. During the past few weeks two most important discoveries have been reported, one from an old gold mining property at Mingary, a few miles west of the border between New South Wales and South Australia, and very near the Broken Hill railway line. The samples of auriferous quartz found on the ground, or at a depth of only a few



No. 2

and all their attendant disadvantages. Also that as the feet from the surface, are thickly studded and impregnated with total weight of the vessel is carried by the spring (which is made of special metal and which is in all ordinary situations practically are sent over from West Australia. Mingary is situated in a non-corrosive), it therefore follows that the total displacement of the float vessel is available to open the valve against the steam known as such, but the comparative scarcity of water has proved pressure, and consequently, when the valve opens it gives, at ordinary pressures, a full and free discharge, the great value of which will be fully understood in prolonging the durability of



No. 3.

In No. 1 the spring is in suspension, the valve being at the bottom, while in No. 2 the spring is in compression, and the valve at the top of a central pipe P. The great efficiency of these traps is such as render large sizes quite unnecessary.

The leading features in the multiple expansion steam trap, No. 3, are that it is of very simple construction and direct acting also, that a considerable degree of expansion or opening is obtained with a trap of moderate dimensions. The expansion arrangement, which at first sight may appear puzzling to some, is really of a very simple nature, and consists of ascrice of rods connected by plates, and suspended loosely by the regulating screw S, so that it cannot be jammed or strained in any way (a defect that is common to many expansion traps), and so that the valve which is formed on the bottom end of the centre rod is just touching the asat when there is very little water in the trap.

The rods are arranged in the area of a circle in pairs diametrically. Half the number of pairs E, E', E', being of a metal having a large co-efficient of expansion, while the other half, e, e, e', are of a metal having a small co-efficient of expansion, and are so arranged by being fixed to or passing loosely through the plate P, P', P'', Co, as in Fig. 3, that the aggregate difference of expansion due to the number of pairs employed causes the arrangement to shorten or lengthen, and causes the valve to open or shut as water or steam may be in the trap.

open or shut as water or steam may be in the trap.

feet from the surface, are thickly studded and impregnated with gold, in fact are as rich as most of the "show specimens" which are sent over from West Australia. Mingary is situated in a decidedly auriferous tract of country, and which has long been known as such, but the comparative scarcity of water has proved a drawback to its development. However, that difficulty is pretty well overcome, but there will be trouble incurred securng a sufficient supply for the use of so rich a mine as this promises to become. The adjoining Queen Bee Mine has a good supply in its main shaft at the depth of 192 feet, the water in the shaft being 13 feet deep. These mines are near the eastern terminus, so far as South Australia is concerned, of the great auriferous zone, which is now proved to extend for about 150 miles in this colony from east to west, its western termination, so far as is at present known, being near Carrieton, a small town on the Northern Railway line, 198 miles north of Adelaide. In the neighbourhood of Carrieton, and 30 or 40 miles to the east, three or four new gold bearing reefs are reported to have been discovered, the samples from which have given returns on assay of from 1 to 3 ounces of gold to the ton of stone. And it should be borne in mind that 1 ounce to the ton in South Australia is worth borne in mind that I ounce to the ton in South Australia is worth fully 3 ounces in West Australia, on account of the heavy expense and other drawbacks attending mining in the Western Colony. The second important discovery referred to above is about 12

miles from Petersburg, a large town on the Northern Railway
Line, 154 miles north of Adelaide. I saw a large sample of veinstone in good sized blocks from this discovery, and without
seeing any gold pronounced it to be the most promising looking
matrix for the precious metal which I had seen. The correctmatrix for the precious metal which I had seen. The correctness of my judgment has since been fully confirmed by assays made of the stone, which have given wonderful returns—several hundred cunces of gold to the ton of stone. I expect to visit the locality in a few days, and will then send you a further report upon it. The fact of gold being spread over so large an area of the colony is a very important one, and with modern inventions and processes, by which a larger percentage of gold can be extracted from its matrices, and at less cost than ever before, opens out before us possibilities which should add vastly to our national wealth. If English capitalists who may feel inclined to invest in promising mining ventures would communicate with me, I could put them in the way of probably getting good returns for their money, with less outlay, and less risk of loss than they usually incur. For instance, to mention only two, which I am nursing for better times; I know of a locality most favourable for hydraulic sluicing, there is abundance of permanent water, and I believe the gold in the ground is equal to 4 or 5 dwts. to the ton. The other is a dry digging where very payable gold can the ton. The other is a dry digging where very payable gold can be obtained within 20 miles of the railway by a good road. I am prepared to make reasonable terms for either of the above, and am besides acquainted with localities where asbestos, mica, and several other useful minerals are to be found.

A NEW ELECTRICAL FURNACE.—Hitherto in the treatment of ores and other materials by means of electrical smelting, it has been thought desirable to feed these materials into the furnace in as thought desirable to teed tress materials into the furnace in as finely-divided a condition as possible, consistent with commercial practicability. Consequently Mons. Girard's notion of passing the materials to be treated into the furnace in a solid state, in a continuous "rod" or cylinder, is almost revolutionary. Of course, this departure is recommended only when the material is itself a conductor of electricity; it is then fed through a hole placed longitudinally in the refractory sides of the furnace. Transverse or radial below meant this longitudinal one and permit the insertion of carbons tudinally in the refractory sides of the furnace. Transverse or radial holes meet this longitudinal one, and permit the insertion of carbons between which and the travelling "rod" of ore the arc is formed which is to supply the best required. The temperature can be regulated by adjusting the rate of travel of the "rod," In cases where the material to be treated is of a palverulent character, it is caused to pass through the furnace in a hollow tube of carbon, which either carries the material with it, or is itself stationary and merely acts as a suitable conduit. Mons. Girard's latest improvements in electrical furnaces have been worked out in conjunction with Mons. Street. These involve arrangements for collecting the material, for causing the smelting to take place in an atmosphere of any gas at any the smolting to take place in an atmosphere of any gas at any pressure, and for enabling the whole of the material to be treated uniformly while either it or the arc is caused to rotate. In one arrangement a magnetic field is so employed that the arc will by the electric action automatically rotate without any relative movement of the parts of the furnace or apparatus.—Electrical Review.

THE ZINC ORE DEPOSITS OF SOUTH-WESTERN NEW MEXICO.

By WILLIAM P. BLAKE, Mill Rock, New Haven, Conn.

(Continued from page 797.)

The Deposits of New Mexico and New Jersey Compared.

The Deposits of New Mexico and New Jersey

Compared.

This remarkable association of large beds of zinc blende with
pyrite, hematite, actinolite, and grossularite in lenticular layers,
and in disseminated particles in the substance of the actinolite
and the garnet rock, forming great contact aggregations or
segregated beds in limestone, appears to be unique. The literature of ore deposits does not, to my knowledge, afford another
example. The Ammeberg (Sweden) zinc blende deposits in
granitic gneiss appear to have some resemblance to the New
Mexican in this respect, that the zinc blende has the granite
rainerals, amphibole, tale, chlorite, garnet, and black tourmaline as associates. It is, however, without iron pyrites or iron
ore, and is associated with galena. Green garnet also occurs at
Sala, in Sweden, with cale spar, galena, and zinc blende.

We have numerous examples of the association of garnet
with magnetite and pyrite (notably with copper pyrites at
the Nacosari mines in Sonors, Mexico, and in the
Dragoon Mountains of Arizona), but not with massive zinc blende. We cannot, however, fail to find a striking
analogy between these zinc deposits of New Mexico and those
of Sussex county, New Jersey, in that both are in connection
with ancient white crystalline limestone; that in both localities
the component minerals are arranged in layers parallel to the
walls; and that similar silicates, garnets, and amphibole, abound
in both places. The zinc and iron ores in New Jersey are in the
condition of oxides and silicates, but in New Mexico they exist
as sulphides, excepting the hematite. We can easily imagine
that by some difference of temperature of solutions and oxidising influences at the time of the consolidation of the beds in
New Mexico, the zinc ore and the pyrites might have lost their
sulphur, and have been left in the condition of the New Jersey
ores. In both regions we find the zinc ores in juxtaposition with
beds of magnetite and hematite. Both regions have underlying
granitic rocks, and both a

In the composition of the New Jersey ores manganese plays an important part, while in the New Mexican ores it is not so abundant, but exist in amphibole, and to some extent in the iron ores, and is found in the zine carbonate proceeding from

the iron ores, and is found in the zine carbonate proceeding from decomposition of the blende.

If the great masses of blende and pyrite in New Mexico could be desulphurised in place, we should have beds of oxide of zine and oxide of iron, more or less intermingled, so as to exhibit much of the same composition as we see in the zinc deposits of Sussex county. The mechanical mixture of zinc blende and actinolite, and zinc blende and garnet, might also give us by alteration a zinc silicate or willemite or zinciferous pyroxene, like jeffersonite, which is abundant in the New Jersey beds contiguous to intrusive dykes. tiguous to intrusive dykes.

Metallurgical and Commercial.

Metallurgical and Commercial.

From a commercial and metallurgical point of view, the New Mexican ores present great difficulties in the way of immediate utilisation; first, in the matter of transportation to any of the established centres of production of spelter or of oxide; and second, in the objectionable presence, in at least part of the ore, of the heavy garnet from which the blende cannot be mechanically separated. And in the portions of the beds free from garnet the pyrite impairs the value of the zinc-blende for making either oxide or spelter. The pyrite can, however, be removed by the process I have before described, but at present a supply of fuel cannot be obtained at figures sufficiently low to justify the undertaking. When coal can be obtained at a low price, either at Hanover or at the southern terminus of the railway, the higher grades of the mixed ore of blende and garnet and of blende and actinolite, can be worked by either a preliminary conversion into a crude zinc oxide or by lixiviation, after proper roasting. The conversion of the smithsonite and the calamine into crude oxide is also desirable, to minimise the cost nary conversion into a crude zinc oxide or by lixiviation, after proper roasting. The conversion of the smithsonite and the calamine into crude oxide is also desirable, to minimise the cost of transportation, and to work the lower grade ores which cannot now be profitably sent away. The higher grade ores of smithsonite, carrying 35 per cent, of zinc and over, pay a fair profit when they command over \$20 per ton, but are sent out at a loss at lower figures, the necessary cost of raising the second quality of ore being counted. The freight alone, aside from the cost of carting the ore to the railroad at Hanover, is about \$12 per ton to Waukegan or La Salle, Illinois, or to Mineral Point, Wisconsin. The secondary ores at or near the surface are cheaply mined, and there is but little waste. Expensive hoisting works are not required; simple windiasses suffice; there is no water to contend with, and the claim owners are generally content if they can realise wages by mining and shipping the content if they can realise wages by mining and shipping the

ore.
The shipments of zinc ore by rail from Hanover up to January, 1894, amounted to 1358 tons of 2000 lbs.
The greater portion has been sent to the oxide works at Mineral Point, Wisconsin; a few tons have been shipped to Waukegan, Illinois. The financial depression of 1893 and the extremely low prices offered for zinc ore have greatly repressed mining, and many of the zinc claims have not been worked lately.

The district also furnished 22,285 tons of iron ore from November 1, 1891, to April 1, 1893.

* A paper read before the Virginian Beach mosting of the American Institute Mining Engineers.

THE JAPANESE SULPHUE INDUSTRY.—The sulphur industry of Japan is undergoing considerable expansion. Sulphur is found as a glossy product of sublimation, often covering the crater walls, crevices, and elefts of active and extinct volcances throughout the country. By far the greatest amount of Japanese sulphur is formed by decomposition of the sulphurated hydrogen of the very numerous "solfataras." The export trade in this article has grown rapidly since the opening of the country to foreign commerce. In the year 1868, the earliest date for which reliable Customs statistics are available. Est tons were exported. The greater portion went to Chins. able, 131 tons were exported. The greater portion went to Chins. Lat year there were 84 mines in operation, of which only 13 produced annually more than 100 tons each. No official estimate has been made of the quantity of sulphur still available. The total product of Japan during 1891—that being the latest year for which reports were published—was 44,505 tons, of which 21,923 tons were refined sulphur.—Leads Mercury.

THE UNITED ASBESTOS COMPANY.—The Lords of the Admiralty have for the 10th time awarded the contract for the supply of "Victor" metallic joints, and other asbestos goods, for use in Her Majesty's Navy, to the United Asbestos Company (Limited).

NOTES ON THE PHILIPPINE ISLANDS.

By FRANK KARUTH, F.R.G.S.

T is not improbable that, ere long, we may have to reckon with these islands in the Far East as factors in the world's gold production. That the precious metal is widely distributed in the Archipelago is known to all who know a little more of it than its name, but they are few in number. Few also are the sources whence information can be drawn. Not five books in the English language are worth consulting about them. Crawford's "History of the Indian Archipelago," published early in this century, is still the students textbook. Whatever has been published since then, when it rises above the level of a mere traveller's tale, is either not comprehensive or not reliable. Jagor's, the German naturalisv's work, of which there exists a fairly good English translation, is rough and fragmentary, and not rarely wrong in its generalisations. The most recent[English book on the Philippines, compiled a year or two ago by an American traveller in sugar machinery, contains a summary of the history, and a rudimentary itinerary of the islands, of which he did not see the one-hundredth part. Whoever will fill up a serious void in geographical literature by writing a reliable handbook of the Philippines, will deserve well of science. He would find a welcome, and abundance of material in the Archives of Madrid. The Spanish Government encourages scientific research, and desires the development of its rich and fertile possessions in the Far East. Those Archives are filled to overflowing with invaluable information and possibilities, lying dormant in their pigeonholes, but deserving the closest attention of men of science and followers of industry and commerce.

The number of the islands which form the Philippine Archipelago will astonish many readers. It is said to approach 2000. There are two among them larger than Ireland—namely, Luzon with 42,000, and Mindanao with 38,000 square miles, and there are other islands with 5500, 5000, 4500, 4000, 3500, and 3000 square miles. The total area of the group is nearly 120,000 square miles—th

mated at over 10,000,000.

As regards the indigenous races in the Philippine Islands, an interesting problem has been satisfactorily solved by the Spanish colonisers—namely, that of the civilisation, such as it is, of the natives without much more pressure or force than that of example. The history of the conquest of America by the Castilian adventurers is gruesome reading. Greed of gold, and unutterable cruelties in its pursuit, have sullied the memories of herces, who live in history. The Conquistadores swept in terrible torrents over ancient empires, and left behind them the seed for the crop of republics, in which in our days pronunciamientos and revolutions are carried on like commercial ventures or seasonable distractions, and where nothing seems stable except the instability of the rulers. The blame cannot be wholly laid on the sovereigns under whose auspices the galleons of the adventurers turned their prows towards the setting sun. Those who arrived in the land of the Incas were beyond the power of their rulers in Spain, and followed unshackled the dictates of greed, lust, and bigotry.

greed, lust, and bigotry.

It is somewhere said that the torrents of blood shed in Mexico and Peru were the cause of the gentle treatment of the indigenous races in the Philippine Islands. However that may be, the facts are incontrovertible, and can be proved from evidence

the facts are incontrovertible, and can be proved from evidence other than Spanish.

The Philippine Archipelago was discovered by Magellan in 1520, and the capital of the colony (Manila) was founded in 1571. Let us hear what Mr. John Crawford, F.R.S., erstwhile British Resident at the Court of the Sultan of Java, and author of the standard "History of the Indian Archipelago," has to say about Spanish rule in the Philippines. He writes thus—"The influence of the Spanish Government on the fortunes and history of the inhabitants of the Archipelago may be said to be confined to the Philippines. In this extensive and important portion of the Indian islands, it has been peculiarly active. Almost every other country of the Archipelago is at this day in point of wealth, power and civilisation, in a worse state than when Europeans connected themselves with them three centuries back. The Philippines alone have improved in civilisation, wealth and populousness. When discovered most of the tribes were a race of half-naked savages, inferior to all the great tribes who back. The Philippines alone have improved in civilisation, wealth and populousness. When discovered most of the tribes were a race of half-naked savages, inferior to all the great tribes who were pushing, at the same time, an active commerce, and enjoying a respectable share of the necessaries and comforts of a civilised state. Upon the whole, they are at present superior in almost everything to any of the other races. This is a valuable and instructive fact, and the cause deserves to be traced. In the first place, the Spanish Government has never, in the case of its dominions, pursued, like other nations, the visionary and pernicious principle of drawing a direct profit frem the commercial industry of its colonies by appearing in the character of sole or chief merchant. On the contrary, private industry has been permitted some scope, and the wholesome principles of competition have had some operation. The Spanish Government has rested satisfied with deriving a revenue from a fixed capitation tax on its native subjects. But, above all, the prosperity of the Philippines has been owing to the freedon given to European colonisation. The Spaniards permitted to their countrymen a perfect freedom of colonisation, and the unappropriated lands the Philippines has been owing to the freedon given to European colonisation. The Spaniards permitted to their countrymen a perfect freedom of colonisation, and the unappropriated lands were freely distributed among them. They have mixed with the native inhabitants, and lived familiarly with them. The consequence has been that, through the medium of religious and other instruction, and general communication, the influence of the genius and manners of Europe has been felt by the native races, and produced corresponding benefits. The influence of religion had a large share in it. The expedition, which was sent to annex the Philippines, was accompanied by a number of priests, who were actively employed in the picus office of converting the simple natives, and it may be safely asserted that the benevolent influence of religion has had, from the earliest to the latest period of the Spanish authority in these islands, the most powerful ascendancy in the civilisation of the people, and in

powerful ascendancy in the civilisation of the people, and in resonciling them to their conquerors."

After describing the attack made by the British on the Philippines in 1762, Mr. Crawford says:—"The Indians, influenced by the priests, and attachment to their religion, very learning to account to account to account the Society of the Philippines and the second to account the Society and the second to account the Society and the second to account the Society and the Societ enerally continued to assist the Spaniards, although the English

entire absence of the tiger or any other representative of the large Felidae. There are reasons for the hypothesis that the Philippine Islands are the peaks, mountain ridges, and tablelands of a submerged continent, which in a very early geological period extended to Australia.

extended to Australia.

The geology of the Philippine Islands is to a very large extent a mere matter of conjecture. Their conformation, and the exuberantly luxurious tropical vegetation render surveys and explorations more than ordinarily difficult. Only a few districts have been cursorily surveyed and reported on, and of one island only, Cebu, has a manual been published. Its author, the distinguished Inspector General of Mines in Manila, Sr. Enrique Abella y Casariego, is doing his best to throw light on the darkness of Philippine geology.

The active operations of the Philippines Mineral Syndicate are at present confined to a district in the eastern part of Luzon, where the following formations have been observed, viz.:—Groups of chloritic slates, diabase and gabbro, eocene limestone

Groups of chloritic slates, diabase and gabbro, eocene limestone and recent formations with marine fossils.

and recent formations with marine fossils.

Almost everywhere in the islands are the results of volcanic forces in evidence, although the number of active volcances is small. The volcances, active and extinct, are grouped in two lines, running approximately east and west. Earthquakes are not infrequent, and the buildings are designed to resist them. The more violent seismic disturbances appear to be confined to certain centres, among which the neighbourhood of Manila, the capital of the islands, situate in Luzon, seems to be prominent. The mining concessions of the Philippines Mineral Syndicate (Limited), of London, which are scattered over an area of several capital of the islands, situate in Luzon, seems to be prominent. The mining concessions of the Philippines Mineral Syndicate (Limited), of London, which are scattered over an area of several hundred square miles in the east of Luzon, have in two years been visited by only one very slight shock, which passed off without the smallest inconvenience or damage. The orography of the group is very complicated. In a general sense, the direction of the chains of mountains is north and south, with occasional deflections to east and west. The highest mountain in the group is Apo, in Mindanao, with over 9000 feet, whilst Halcon, in Mindoro, reaches nearly 8900 feet, and Majon, in Luzon, exceeds 8200 feet.

The Archipelago lies between 4:40 and 20 N. lat., and 116:40 and 126:30 E. long. The seasons are divided into hot and cool, or wet and dry, and vary according to the aspect of the country. Regions exposed to the S.W. monsoon have their wet season, whilst on the other side of the mountains people enjoy the dry season. The rainfall is not excessive for the tropics, nor is it continuous, for occasional breaks lessen the discomforts of the wet season. The climate is very healthy for the tropics, and diseases—e.g., yellow fever—are unknown.

The bulk of the natives are of a race akin to the Malays, though pure Malays are only settled on the south coast of Mindanao and the neighbouring islands, where at times they give a little trouble to the authorities. In the interior of Luzon and some of the other islands the remnants of a race of natives of undoubtedly Papuan origin are found, still as untamed, and roving through the forests, as the Spaniards found them over 300 years

undoubtedly Papuan origin are found, still as untamed, and roving through the forests, as the Spaniards found them over 300 years ago. They, like their Australian kinsmen, fly from civilisation and succumb when forced into contact with it. A very interesting account of the inhabitants is given by Mr. Palgrave, late Her Majesty's Consul in the Philippines, in an article in the Cornhill Magazine, entitled "Malay Life in the Philippines."

Mr. Palgrave speaks in glowing terms of the fertility and beauty of the Eastern Isles, the prosperity and comfort of the inhabitants, and speaks in laudatory terms of the methods of Spanish Government there, and the civilising and refining in-fluences of religion on Malays of the Philippino-Christian type.
"Dull indeed," he says, "must be his soul, unsympathetic his nature, who can see the forests and mountains of Luzon, Queen of the Eastern Isles, fade away into dim violet outlines on the fast receding horizon, without some wistful remembrance, some pang of longing regret. Not the Ægrean, not the West Indian, not the Samoan, not any other of the fair island clusters, by which our terraqueous planet half atones for her dreary expanses which our terraqueous planet hair atones for her dreary expanses of grey ocean and monotonous desert elsewhere, can rival in manifold beauties of earth, sea, and sky, the Philippine Archipelago. Pity that for the Philippines no word limner of note exists. The chiefest, the almost exceptional spell of the Philippines is situate, not in lake or volcano, forest or plain, but in the races that form the bulk of the island population. I said 'almost exceptional' because rarely is an intra-tronical people a satisface. exceptional, because rarely is an intra-tropical people a satisfac-factory one to eye or mind. But this cannot be said of the Philippine Malays, who, in bodily formation and mental charac-teristics alike, may fairly claim a place not among the middling ones merely, but almost the higher names inscribed on the world's national scale. A concentrated never absent self respect, an habitual "self restraint in word and deed, very rarely an habitual self restraint in word and deed, very rarely broken through when extreme provocation induces the transitory but fatal frenzy known as 'amok,' and an inbred courtesy, equally diffused through all classes high or low, unfailing decorum, prudence, caution, quiet cheerfulness, ready hospitality, and a correct, though not inventive taste. His family is a pleusing sight, much subordination and little constraint, unison in gradation, liberty not license Orderly children, respected parents, women subject but not oppressed, men ruling but not despotic, reverence with kindness, obedience in affection; these form a loyable picture, not by any means a rare one in the vildespotic, reverence with kindness, obedience in affection; these form a lovable picture, not by any means a rare one in the villages of the Eastern isles. The villagers' houses, some large, some small, wood or bamboo, two storeyed or one, mere huts or spacious dwellings, according to the fortunes of the inmates, are dotted here and there in an unsymmetrical row among the trees; but all have a comfortable, a cosy look, suggestive of sufficiency; many of them, white painted with stripes green or blue, rarely red, and occasionally a flower pattern or fanciful scroll work to enliven them more. Eight million natives, more or less, inhabit the Philippines, and yet scarcity is of rare occurrence; famine unknown. 'Enough and over, enough for ourselves, and over and above for our neighbours,' is the fact-spoken motto of the colony; and of how many other European colonies can this be said?—of any? Of all tropical lands, all tropical races that it has been my lot to visit, none will have left a pleasanter, a more heart-satisfying memory than the Philippine Archipelago, a more heart-satisfying memory than the Philippine Archipelago, the home of the half-civilised Malay." Such are, in brief outline, the people amongst whom British enterprise now introduces modern mining methods.

It may interest the readers of this Journal in a future article to learn what the old mining methods in the Philippines were like, and also the general conditions, topographical and otherwise, to which the pioneers of British enterprise have to adapt

generally continued to assist the Spaniards, although the English had recourse to the unjustifiable means of promising a remission of the tribute paid by them to the European power. If the goodness of a Government is to be judged by the attachment of the great body of its subjects, the Spaniah administration of the Philippines stands higher than any other which was ever established in the Archipelago, and probably higher than that of the British Government in India." Thus writes a British authority of unimpeachable standing.

The character of the fauna and flora of the Philippine Islands is, to a certain extent, of the Melanesian or Australian type, and differs widely from that of the Malayan Archipelago, from which it is separated by a narrow but very deep strip of sea. The Philippines rejoice in that distinctly Australian bird, the cockator, as an indigenous member of their avifauna, and in the

MEETINGS OF MINING COMPANIES.

CROWN REEF GOLD MINING COMPANY.

Dividends satisfactorily maintained.

(From the South African Mining Journal.)

HE sixth annual ordinary general meeting of shareholders in the Crown Reef Gold Mining Company was held in the Board-room, City Chambers, Johannesburg, on June 19, Mr. W. H. Rogers presiding. There were also present—Messrs, Lionel Phillips, C. Hanau, R. O. C. Lys, J. W. S. Langerman, A. Goerz, E. Birkenruth, O. Beit, R. Goldman, H. A. Rogers, A. A. Erdal, and F. Raleigh (secretary).

The CHAIRMAN, in moving the adoption of the directors' report, The CITAIRMAN, in moving the adoption of the director's report and accounts have been in your hands for the past ten days, and you have thus had every opertunity of considering the results and you have thus had every opertunity of considering the results and you have thus had every operations during the past year, and our future prospects. We commenced the year with a credit balance on profit and loss account of £32,044 0s. 11d. The nets profits of the past year amount to £82,255 9s. 4d., which, with the credit balance on profit and loss account of £32,044 0s. 11d. The nets profits of the past year amount to £82,255 9s. 4d., which, with the credit balance before mentioned, makes up a total of £14,297 10s. 3d. Out for the half-years ending 31st March and 30st. Second, were past for the half-years ending 31st March and 30st. Second, were past and with £5000 carried to reserve fund amounted to £85,000. The sum of £3878 12s. was carried to working capital account, being the balance of the proceeds of tailings sold under contract to the African Gold Recovery Company. These deductions left the sum of £4,413 1s. 3d. the credit of profit and loss account at the end of the first of the half-year ending 31st March last, and will be paid ont on the 27th inst.—eight days from now. This tast dividend brings the total dividends paid by the company during its existence of six years up to 219per cent., representing 2245,500 sterilog. It is very satisfactory to note that the total profit carned during the past year to year by 7st. 4:2831, and this increase is a constitution of the new works. These new works enable the capital state of the provious year by 7st. 4:2831, and this increase is a constitution of the new works. These new works enable the capital state of the provious year by 7st. 4:2831, and this increase is a constitution of the new works. These new works enable the company to make the profit of the provious of the provious part of the form of the provious of the provious of the provious part of the provious of the p sold to them under contract, be added to the value obtained by the company, we find that the tonnage mined to 31st March 1:st, representing less than 2½ levels, has realised over one million sterling. This fact speaks well for the future of the mine, especially when it is considered that the gold saving plant recently installed extracts nearly 90 per cent, of the assay value of the ore. In regard to the company's future prospects, I may state that the assays now being obtained from the lowest workings in the mine, where development works only are being carried on, indicate an improved grade of ore, and lead your directors to belive that increased returns will be obtained when stoping is extensively carried on in the fourth and fifth levels. The policy of working in the mine is the same as that always pursued—namely, the mining and milling of equal portions of the two reefs; the main reef leader and the south reef. It is a matter of regret to your board that the yield obtained in the mills during the past year has fallen 1 dwt. 2:538 grains below that of the previous year, and the manager attributes this decrease to the lower grade ore produced from the third level workings. In regard to this decrease, I must tell you that in the proximity of our third level the reefs change from soft free milling ore to hard blue, and it is pretty well known on the Rand that, where the ore changes from the soft free milling ore to the hard blue, a poor zone comes in. We are evidently in the poor zone. I think I may state that it is an accepted fact on these fields that the ore of the level in which this change occurs (and it occurs in every mine) is found to be of lower grade than the levels above, and that as mining is carried on below the level in which the change occurs the grade of ore improves. This fact is borne out in our mine by the improved assays which I have just referred to. Our general manager estimates the assay value and widths of the reefs on the 4th level now being developed as follows:—Main reef leader, I cance 8 dwts., 2 feet 8 inches; south reef, 2 cances 6 dwts., 2 feet 6 inches. With these encouraging indications, your directors believe that the company's prospects are very promising, and that increased profits will be carned in the near feature. I may point out that an increase of 1 dwt. per ton in the gold won means an increased profit to the commany of over £3000 per month on its present monthly oreshing of 17,000 tons. Another item on which I congratulate the shareholders is the fact of the company having obtained by purchase the freehold of their title to the Myspacht from the Langlangte Estate. This was secured at a cost of £25,000. The company's afterlose of of our receipts from the gold won. We all know that the head of this State is very fond of saying that all the money is going out of the country, but I think a fact like this, and remembering that the Crown Reef is only one company that is paying wages, is sufficient to show that the statement requires a little discounting. The Chairman then read the report of the auditors—Messrs. D. M. Kisch and Fred J. Moller—which stated that they had found everything Fred J. Moller—which stated that they had found everything correct and in order, and that the books continued to be kept in a systematic manner. In conclusion, he (Mr. Rogers) referred to the afficiency of the general manager, secretary, and staff of the company, and said everything was going on splendidly. He thought shareholders would in a very short time see that the policy pursued by the directors was the correct one. He then moved:—

"That the directors report, the balance sheet, and profit and loss account to 31st March, 1894, be received and adopted,"

Mr. A. GOERZ said he had much pleasure in seconding the adop-

account to 31st March, 1894, be received and adopted."

Mr. A. GOERZ said he had much pleasure in seconding the adoption of the report and accounts. The Chairman had stated that one of the directors did not fully agree with the decision of the majority of the board with regard to the financial arrangements. It was not his intention to speak on the subject, as he was fully prepared to give way to the majority of the board, but after the Chairman's reference to the matter he thought he was obliged to say something.

The armount speat on capital account was much higher than was mount spent on capital account was much higher than was ally provided for on that account. There was, for instance, ditional plant, the erection of which was not contemplated at ally prov the additional plant, the erection of which was not contemplated at first when the working capital was provided, and then they had had a difficulty in the mine with a fault which somewhat increased the expenditure, and the sum total of the whole business was that they had exceeded the expenditure on capital account by no less than £92,000. It was not the intention of the board to distribute that amount over It was not the intention of the board to distribute that amount over a long period by issuing debentures, or to increase the capital of the company, but to take it out of the profits earned instead of distributing them in dividends amongst the shareholders. The £92,000 would give to shareholders a dividend of about 77 per cent. He was a vare that the opinion was prevalent abroad that Rand dividend—paying companies ought not to increase their working capitals any further. If new appliances were discovered by which expenditure in mines could be considerably decreased, and the revenue increased, he thought the meeting would be bound to adopt the new system, and if the working capital provided was not sufficient for meeting the expenditure on account of the new plant, then he thought companies the working capital provided was not sufficient for meeting the expenditure on account of the new plant, then he thought companies would be fally justified in providing the necessary funds out of profits. They had had some expenditure in the Crown Reef which could not have been foreseen when their reserve abares were sold. For instance, they had bought the freehold of their title, and acquired other claims and water rights, all of which had considerably increased their expenditure, and if in order to meet their expenditure the number of the shares of the company had been increased, such new shares being offered to the shareholders, the shareholders would have derived the whole of the benefit. But in the event of the amalgamation of the Crown Reef Company with any other company—there was no scheme before the board, nor was there any probability of any amalgamation—but should there be any such amalgamation within the next three, five, or ten years, the shareholders of the company joining the Crown Reef would benefit by the plant which the Crown Reef had erected out of profits, and which to his mind belonged entirelyto the shareholders of the Crown Reef. He simply expressed those views because they were also the views of some other stareholders.

Mr. LIONEL PHILLIPS said he would also like to say a word with Mr. LIONEL PHILLIPS said he would also like to say a word with reference to the matter mentioned by Mr. Goerz. He thought under ordinary conditions it might be well perhaps to raise money for the perpose of paying back the som taken out of profits and devoted to capital account. But in the special case of the Grown Reef it must be borne in mind that the money had already been spent, and that past shareholders had already paid that money. He did not think it desirable, therefore, now to raise funds for the purpose of benefiting shareholders to-day who were not shareholders at the time the money was spent, and saddling the company with additional capital. The board went into careful calculations over the matter, and found ard went into careful calculations over the matter, and found that by raising a loan of £80,000 at 6 per cent, and redeeming it in 10 years, the company would be put to an expenditure of £26,000. Of course the creation of additional shares would saddle the com-Of course the creation of additional shares would saddle the company with additional capital on which they would have to pay dividends. He thought they had only to look forward to continuing with the present small dividend for about another year, when they would be out of debt and in a position to distribute the whole of the profits amongst the present shareholders. He, therefore, felt particularly jealous about creating further shares, and he felt sure that those who had borne the brunt of the past expenditure would not be averse to the continuance of the small dividends for a short time

took into account the amount of tailings treated up to date then the total product reached 11½ dwts, per ton. They must bear in mind that although 442,556 tons of ore had been treated, the company had only treated 250,000 tons of tailings. If they examined the expenditure of to-day they would find that there was every probability of decreased costs, and that for the last two months the expenditure had gone down as low as 23s. 4d. average. The cost of the cyanide treatment, which he thought was a decreasing cost every day, amounted to something like 5s. Therefore, the whole of the expenditure on the present basis of the Crown Recf was something under 29s. per ton, and he thought they might look forward with a practical certainty to a decrease in those costs. The product of the company had been worth 40s. per ton, the cost of production was 29s. per ton, so that with the decreasing costs they could confidently expect, he thought they might confidently look for the time when they would make a profit of something like £14,000 a month. He thought it desirable to draw special attention to those figures. With regard to the third level, he could only bear out what the Chairman had told them, from his intimate acquaintance with other With regard to the third level, he could only bear out what the Chairman had told them, from his intimate acquaintance with other mines. It was a fact that at about the locality of the beginning of the pyritic rock the ore was certainly poorer, and it was one of these things that would be disquieting, probably, had they not ample evidence that the reef below that level was better than the average above it. Under all the circumstances, he thought there was a prospective probability of the results being slightly better in the future than they had been in the past. Mr. Goerz had referred to some impossible amalgamation. He would like to say this, that there was not the slightest intention or possibility of any amalgamation, and he thought Mr. Goerz only used the argument to illustrate his remarks.

Mr. Goerz said that was just what he intended to do. He merely

mr. GORRZ said that was just what he intended to do. He merely referred to amalgamation as a possibility.

Mr. Hanau quite agreed with the policy of the board in not increasing the capital or issuing debentures to meet the increased expenditure; but he thought it a great hardship on present shareholders that the entire sum should be paid out of one year's profits of the company. He thought if the board could manage to arrange to pay off the liability, say in three years, in instalments of £30,000 a year, the shareholders would be pleased, and would compliment the board on such an arrangement. Shareholders had every reason the board on such an arrangement. Shareholders had every reason to be satisfied with the efforts of the board, and he thought that if there was a recommendation from that meeting to the board, that they should make such an arrangement as he had referred to, that

the directors would endeavour to act up to it.

The CHAIRMAN said he thought what he had mentioned with regard to the dividends shadowed forth his views as a member of the board. He said that after a certain time increased dividends might

be paid. The motion for the adoption of the reports and accounts

put to the meeting and carried unanimously.

On the motion of Mr. HANAU, seconded by Mr. LIONEL PHILLIPS, Messrs. A. Goerz and R. O. G. Lys were unanimously re-elected

Mr. O. BEIT proposed that Mr. D. M. Kisch and Fred J. Moller e re-appointed auditors for the ensuing year, and that the remunera-ion for their past year's services be 75 guineas each. Mr. BIRKENBUTH seconded the proposition, which was unani-

mously agreed to.
This concluded the business.

UNITED LANGLAAGTE GOLD MINING COMPANY.

The scheme of reconstruction adopted.

(From the South African Mining Journal.)

An extraordinary general meeting of shareholders in the above company was held on June 26th, at Bettelheim Buildings, Johannesberg. There were present Messrs. J. L. Bilbrough (Chairman), G. Imroth, Hull, Wagner, L. Grahame, Dalrymple, S. Farrar, C. S. Goldman, F. Mosenthal, Gray, G. Sonn, G. Rouliot. O. Beit, S. Thompson, W. Detellbach, C. T. Thompson, and J. G. Hamilton (secretary).

The CHAIRMAN announced that there was a sufficient number of shares (69,802) represented to proceed with the business of the meeting. He would, therefore, call upon the secretary to read the

orice convening the meeting.

The notice (accordingly read at this stage) stated that the meeting was called for the purpose of considering, and if deemed advisable of adopting (either with or without modification), a certain proposa en made to the directors for the reconstruction of the

ompany. The proposal provides: 1. That the present nominal capital be reduced from £100,000 to £62,500, represented by 62,500 fully paid up shares of £1 sterling each, which shall be issued to holders of the present shares, in lieu of their existing holdings, being at the rate of five for eight old shares

2, That the capital (so reduced) shall immediately thereafter be increased by the sum of £87,500 sterling, represented by 87,500 shares of £1 sterling each, and that such 87,500 shares shall be dealt with as follow

(a) 30,000 shall be offered to the shareholders of the com pany at par in proportion to their respective registered holdings of shares, there being a guarantee to the company by the proposers of the reconstruction to purchase at par the whole or any part of such 30,000 shares as shall not be taken up by

(b) 36,000 shares shall be applied to the purchase of certain 46 claims (more or less), being the deep level of the claims now held by the company.

(c) 21,500 shares shall be held in reserve for future disposal

by the directors, but the proposers of the reconstruction shall, in consideration of the guarantee above-mentioned, have the option to perchase 17,500 of such reserve shares at parat any time within 12 months from the date of the registration of the supplementary Articles of Association.

the supplementary Articles of Association.

The following circular, dated 31st May, and addressed to the shareho'ders, was laid on the table, viz:—Gent'emen: From the accounts submitted to you at the general meeting of the 30th March last you will have observed that a considerable expenditure had been incurred during the preceding—six months upon mine development, and that, mainly in consequence of such expenditure, the financial position of the company at the end of the previous half-year was not of a satisfactory nature. During the three months to the present date the development of the mine has been continued with the greatest despatch, driving upon the third level having been carried on with rock drills, east and west, as quickly as possible, and, in addition, the main vertical shaft, main incline shaft, and three winges are now rapidly being sunk to the foorth level. In consequence of the backward state of the development, as mentioned in the report last laid before you, the company's 60 stamps have run for half time during the period; and the output has, as a result, only about covered the costs of the work, exclusive of development charges. The condition of affairs rendered it imperative some two months back The condition of affairs rendered it imperative some two months b the condition of affairs rendered it imperative some two months back to effect a loan of £10,000 from one of your directors, a loan which has since been repaid out of the £13,750 received from the Langlague Boyal Gold Mining Company in respect of the freehold of ground held by that company under license upon your estate, and a further loan of £2000 which still remains to be met under due date. As the expenditure under the head of mine development will necessarily remain high for some time to come, it follows that the belance of each new remaining on hand will are long the expensive the street of each new remaining on hand will are long to expensive. be averse to the continuance of the small dividends for a short time longer, with the practical certainty of enormously increased dividends in the near future. There was one other matter which he wished to touch upon, and that was this. Although the Chairman referred to the decreased value of the third level, and emphasized the increased value of the fourth level, he did not show them what the increased value of the fourth level, he did not show them what a very splendid return had been obtained by the company since its formation. Anyone referring to the report would find that 442,556 forms for ore had been milled, and yielded 221,633 ounces 1 dwr. Serains, or an average of 10 dwts, 0-385 grains per ton. If they

diately south of the mine, the present life of which is estimated at from 10 to 12 years only. The desirability of securing this ground is shown by the fact that the mine would be enlarged from one of three claims to one of eight claims deep. The purchase of this block could, of course, be allowed to stand over for the time being; but as circumstances generally point to an appreciation rather than a depreciation in the value of dip claims, the probability or rather containts of a higher figure eventually to be naid for their acquisity. a depreciation in the value of dip claims, the probability or rather certainty of a higher figure eventually to be paid for their acquisition must not be lost sight of. From the foregoing it will be seen that energetic and extensive development; a cyanide plant of sufficient capacity to keep pace with the full strength of the mill; the acquisition of the deep levels; and the security of the financial position, are all absolute necessities towards placing your company upon a sound and satisfactory footing. To ensure that position your board beg to submit a scheme of reconstruction recently proposed to them; which scheme, after the fallest and most careful investigation, they now, with a strong recommendation for acceptance, have the honour to lay before you for your most favourable consideration. As you will observe, the proposal provides for the aquistion of the dip claims, and for the supply of ample working capital to enable the company to thoroughly develop its property, and to erect the necessary works to enable it to secure the highest possible return from the ore treated.

of the dip claims, and for the supply of ample working capital to enable the company to thoroughly develop its property, and to erect the necessary works to enablet to socure the highest possible return from the ore treated.

Eaclosed you will find a form of proxy which, in the event of your being unable to attend the special meeting personally, I shall be glad to have returned to me at your earliest convenience duly signed and witnessed.

(Signed) J. G. HAMILTON, secretary.

The CHAIRMAN said that although the meeting had been called for the special object of reconstructing the company, he would like as briefly as possible to refer to the settlements that had lately been made with the Langlaagte Royal and the Rand Miner. As soon as the board knew that their Mynpacht was threatened they took the necessary steps to protect shareholders interests. The two companies that disputed these had induced the Government to proclaim the mine in question, but the proclamation wasopposed by the board and set on one side as illegal by the High Court. A compromise was afterwards effected with the Langlaagte Royal Company, who paid them £13,750 and thus obtained the freehold of 104 claims. It was only at the very last moment that negotiations came to a conclusion with the Rand Mines Company; just before going into court, the matter was satisfactorily settled for the sum of £25,750; and with that was purchased the freehold of 313 claims. The shreholders could congratulate themselves on these settlements, which were very satisfactory—very much better than going into court and risking the issue. The board had thus recovered nearly £40,000; but the expenses, witnesses from the Paarl, and so on, had been so heavy that shareholders would not imagine that they had £40,000 to spend on developing the mine. As to the proposed reconstruction, he was quite sure it would be in their interests to adopt it. The time for ignoring deep levels was past. According to the estimate of their manager the life of the mine would manager than the surfac the only one who was not in accord with them, had written pro-testing againt the scheme. He would now ask the Secretary to read the formal terms of the scheme, and afterwards Mr. W. P. Taylor's protest.

The SECRETARY read the documents referred to, Mr. Taylor's letter being as follows :-

On behalf of myself and the enclosed proxies, I hereby protest against the reconstruction of the company, and confirm my protest already lodged at a meeting of the directors. In my opinion there is no necessity to purchase the deep level claims for years to come; also the company does not require to have its capital reduced, and such reduction is unfair, unnecessary, and against the interest of the present shareholders, being indeed to the direct double advantage of the vendors of the deep levels. As I have before stated, the offer of reconstruction was made at a time when the settlement of the lawsuit with the Rand mines was sub judice, and I pointed out in my protest, as a director, the unfairness of considering a proposition when the company was in the probable position of receiving sufficient capital from the Rand Mines (Limited), to carry out its work, and the company should not be pledged until the decision was known What I predicted has taken place. The company has gained its suit, and the reconstructors have the advantage of the company's improved position if the scheme is carried, Considering that the company has assets in works, machinery, buildings, and cash including the Rand Mines payment, to the value of over £90,000. On behalf of myself and the enclosed proxies, I hereby protest that the company has assets in works, machinery, buildings, and cash including the Rand Mines payment, to the value of over £90,000, and the present shareholders are only getting £2,500 shares, it follows that these shares will be at once worth over 30s,, and the 36,000 shares going to the vendors of the deep levels will be worth £54,000, and this without reckoning the value of the company's ground and proprietary rights. Further, the reconstructors will have a call on shares at par which should be reserved for the benefit of the company. I consider the position of the company to be a good and sound one, with sufficient capital in hand for all requirements, and does not require any financial manipulation. I regret my inability to be present, but must request you kindly to have this protest and does not require any unancest you kindly to have this protest bility to be present, but must request you kindly to have this protest of the read at the meeting, and have it recorded in meeting.—Yours faithfully, (Signe (Signed) W. P. TAYLOR.

With the letter there were sent 915 proxies against the scheme. The CHAIBMAN said he had already referred to most of the points raised. Had the company not succeeded in obtaining compensation from the Rand Mines and the case had gone against them, the scheme could never have come before them at all. The figures given by Mr. Taylor were, he sincerely hoped, correct, for if the shares were really worth 30:, it would be a good thing for the directors who held large quantities. The proxies Mr. Taylor had referred to, although made out in his (the speaker's) favour, would be put against the scheme in the voting.

against the scheme in the voting.

The Chaiman then put the formal resculation embodying the scheme, and also one providing that the directors shauld have power to deal with any fractional parts of shares left over in the redistri-

Mr. IMBOTH seconded.

The show of hands was upanimously in favour of the resolutions. and the Charman amounced that the total number of shares in the room, including proxies, was 70.417—of which number 7127 shares were put in against the resolutions—or a majority of 63,290 in favour. The required majority was 52,813, and he, therefore, declared them carried. Mr. MOSENTHAL asked if he would be in order in referring to

nother matter.

The CHAIRMAN said it would not be in order, and the meeting

EAST RAND PROPRIETARY MINES.

A forecast of future operations.

(From the South African Mining Journal.)

The annual meeting of this company was held at Johannesburg, on June 25.—Mr. Carl Hanau, occupied the chair.

The Chairman, in moving the adoption of the report, said that there should really remain very little for him to add, as the engineer's, manager's and directors' reports had gone so fully into all details of the present position of the company, as well as the operations which had been carried on since the floatation. The reports that gives fully with the mining operations than did any other. tions which had been carried on since the floatation. The r dealt more fully with the mining operations than did any reports ever issued to shareholders of gold mining companies past. The board thought it but right that detailed reports past. The board thought he out right that the board had be presented to them on that, the first, occasion when the board had be presented to them on that, the first, occasion when the board had met shareholders. The assets and operations of the company were so vast, however, that he should be failing in his duty if he did not again shortly review the operations of the past year. According to the contract with the trustees of the H. F. Syndicate, the East Rand Proprietary took over all assets and liabilities of that syndicate through which it became possessed of about 530,000 shares in the New Blue Sky, Comet, Cinderella, Agnes Munroe, Driefontein, and St. Angelo Gold Mining Companies, and, roughly speaking, of 1000 gold-mining claims on the farms Vogelfontein, Driedfontein and Leeuwpoort. The board during the past year had thought it expedient to increase the company's holding in some of the subsidiary companies, and had purchased in all 33,714 shares at the cost of £12,830 12s. 1d. On Leeuwpoort, as they would see from the directors' report, a number of claims had been abandoned, the reasons, therefore, being fully set forth. All their other claim holdings retherefore, being fully set forth. All their other claim holdings remained unchanged. They now held 563,488 shares in the outcrop or Main Reef Companies, costing £141,689, which was equal to holding four-fifths interest in 351 Main Reef claims, and in all the assets of four-fifths interest in 351 Main Reef claims, and in all the assets of the outcrop companies. They were possessed of 820 claims, 690 of which formed one solid, uninterrupted block of deep level claims, to the Main Reef outcrop claims, the distance from the outcrop varying from 350 to 750 feet. From this, and taking into consideration the large amounts of money paid for deep levels during the past year, and taking further into consideration the very satisfactory development on the outcrop companies, they would agree with him that they were possessed of very valuable property, which promised to give them enormous returns on the original outlay. It would be remembered that at the annual meeting of the H. F. Syndicate he spoke of millions when alluding to the value of their property. They might call him sanguine, though he was not sanguine any more; but he could assure them that his opinion, expressed then, was not alone unchanged. guine, though he was not sanguine any more; but he could assure them that his opinion, expressed then, was not alone unchanged, but had been considerably strengthened by the actual results shown by the development of the mines in which they were so largely in-terested. He considered that when crushing operations on a large scale were started on the Comet Company, the results shown would prove that company to be second to none on the Rand. His opinion was based on a ssays taken right through the mine, and, surely, with the development of 40,000 tons, one ought to be able to form a fair and reliable opinion of its value. Besides, they had 130 claims on Leeuwpoort, the value of which that day was problematical, but which in course of time might prove a very valuable asset. When mining operations were commenced on the Ginsberg Company the results were very recoveraging. They then bought into the Permet. results were very encouraging. They then bought into the Ramsay Syndicate. Later developments proved the Ginsberg to be a first class mining property and the board then bought the remaining syndicate shares, and took transfer of the entire block. Through bore holes they had proved the existence of the Ginsberg reef in that property, and also had done so on the adjoining St. Angelo, the results from assays of which were very satisfactory. In the St. Angelo they held 144,416 shares out of a capital of £150,000, or practically the entire property. Their properties were of so vast an extent that it was difficult to give a clear idea of their value, but they might form some idea by companing the size of the Ginsberg Company's form some idea by comparing the size of the Ginsberg Company's property with the Ramsay and St. Angelo blocks. The Ginsberg stood at a value that day of, roughly. £100,000. The Ramsay and St. Angelo blocks as would be seen, were nearly double the size of the Ginsberg. blocks as would be seen, were nearly double the size of the Ginsberg. Again, looking at the plan, they would see that the St. Angelo and the Ramsay blocks formed only about 1.20th of all their claims, the bulk of which were situated on the dip of these two blocks and the Comet and Agnes Munro Companies. Recently the board had decided to principally develop the properties on the most westerly ead of the property, as in its opinion they would show good and practical results soon. It was true that to develop all their mines vast amounts of money would be required, but by the policy of the board the enormous financial strain would be considerably minimised. At an early date it was the intention of the board to reconstruct the Comet company, putting in all the dip ground right through to their most southern boundary, and supplying that company with ample workcompany, putting in all the dip ground right through to their most southern boundary, and supplying that company with ample working capital. The company when reconstructed would possess about 160 claims, and the mine, with 100 stamps at work, would have a practically unlimited life. The policy of first proving sections of ground to be valuable by actual development was going to be pursued in the future, and during the next year it would be definitely decided into how many subsidiary companies their vast properties were to be formed. In his opinion there would be, in the next two or three years, at least four companies working, which would employ a very large number of stamps. The reports dealt with the company's affairs up to the 30th April. Since then the Ginsberg Reef had been intersected in the new bore-hole in the Ramsay block, assaying intersected in the new bore-hole in the Ramsay block, assaying 12 dwts. over 3 feet, and 20 dwts. over 17 inches. It had been decided at once to sink a main shaft as a first step towards mining operations on a large scale. It had been decided to build a large reservoir, capable of storing 25,000,000 gallons of water, and to guard against foture scarcity of water, the board was about to enter into a contract with the Government for the use of one-third of the water in the very large preservoir known as the Roksburg. sonnection with the working the second second second second second showed a debit of £16,000, but that was quite natural, and, in fact, was quite unavoidable, as they had no source of revenue, and had to expend large amounts of money which in the balance sheet that day were not represented by actual assets. With regard the financial position of the company, they had on hand by cash that that any were not represented by actual assets. With regard to the financial position of the company, they had on hand by cash and sundry creditors, £30,665, which amount was quite sufficient for the earrying out of the works now in hand. An offer to refloat the St. Angelo Gold Mining Company with sufficient dip ground had been received from a very powerful London combination, but the board did not consider the terms satisfactory, and the offer was upunimously refused. A lo-stamp mill had been eracted on the New Blue Sky property, and a test cryshing had been effected to the nonlimously refused. A 10-stamp mill had been erected on the monainmously refused. A 10-stamp mill had been erected on the New Blue Sky property, and a test crushing had given the handsome vance, and at the same time be improving the value of their present return of an ounce to the ton. A test crushing of Comet ore was being made, and be felt confident of a return of 15 dwts., which would be quite good enough, as the test crushing was not made for show, but to ascertain what yield could be expected when the 40 stamps—which it was proposed to acknowledge the valuable services that have been rendered to the

erect at an early date—were at work. On completion of that test, one would be made from the ore of the Cinderella Company, and the board intended continuing that mode of procedure until test crushings of all the companies in which they were interested extending over three miles had been made. They would, perhaps, be disappointed that the company had now been floated for over a year, and no results in the way of dividends shown, but no gold mining company on the fields had paid dividends during its first year. He assured them that if they were nationt they would be handsomely pany on the fields had paid dividends during its last year. The assured them that if they were patient they would be handsomely rewarded. In his opinion the company, together with the subsidiary companies, would become one of the largest gold producers on the Rand, and on account of the exceptional facilities for mining and milling, very big profits would be made when once milling operations were carried on on a large scale. The board entertained a very high opinion of the property, the directors being by far the largest shareholders in the company. During the past year Mr. George Farrar holders in the company. During the past year Mr. George Farrar had carried out the duties of managing director without remuneration, and the thanks of shareholders were due to that gentleman in a very high degree for the untiring efforts he had used in their interest. very high degree for the untiring efforts he had used in their interest. Great praise was due to the manager, Mr. Angwin, and as soon as the company had arrived at that stage when it could give a fair return on the outlay, it would give him (Mr. Hanau) great pleasure to propose for that gentleman a much more substantial recognition of his zeal and energy than their thanks and appreciation, with which that day he must be satisfied. Mr. Frecheville, the consulting engineer, deserved their thanks, as, outside of his duties he had done good service by devoting a great deal of his extra time to the company's affairs. The board had been satisfied with the manner in which the entire staff had carried out its duties. As works on a large scale were now being carried out, and as, after that day's reports, they would be able to follow up the company's operations easily, it was the board's intention to issue quarterly reports, giving a full resumé of all operations of that and the subsidiary companies. At the wish of European, especially Continental shareholders, arrangements had been made for the issue of bearer shares, which would considerably n made for the issue of bearer shares, which would considerably facilitate dealings in the stock. In conclusion, he congratulated them on the very bright prospects of the company's affairs, and trusted that when next year the board had the pleasure of meeting them, the prognostications made by him that day would be shown

After some desultory conversation as to the borehole on the Ram

say Block, the report and accounts were adopted.

The CHAIRMAN said the next business was to elect a director in the place of Mr. S. W. Jameson, who offered himself for re-election. As there was no other nomination before the meeting, he would As there was no other nomination before the meeting, he would declare Mr. Jameson re-elected. In connection with that matter he read the following letter which had been sent into the board by Messre. Joel and Mayer and L. Ehrlich:—"Gentlemen, Mr. S. B. Joel is a large shareholder in the East Rand Proprietary Mines (Limited), and will accept a seat on the board if elected. We would recommend that at the first meeting of the board Mr. Joel be appointed a director of the company."—(Signed) Joel and Mayer. That recommendation he (the Chairman) stated would come before appointed a director is the conjunct. Signer, Jose and asyer. That recommendation he (the Chairman) stated would come before the board in the usual way. The next business was to appoint two auditors for the ensuing year. The retiring auditors were Messrs. Page and Anderson, and the meeting had to fix their remuneration

for their services during the past year.

Messrs, Page and Anderson were re-appointed auditors, and the question of their remuneration left in the hands of the directors. There being no other business the meeting terminated

CUMBERLAND LANDS, LIMITED.

The new management.—A vast and unencumbered property

An extraordinary general meeting of the shareholders in the Comberland Lands (Limited) was held on Tuesday, at Winohester House, the chair being occupied by Mr. S. LIPSCOMB SECKHAM.

The Secretary (Mr. L. C. Farebrother) read the notice convening

the meeting.

The CHAIRMAN said: Gentlemen, I will endeavour in as few words as possible to explain the object of this meeting. You will remember at the last general meeting you were good enough to desire that I should continue to act as a director, and that I only consented to do so on condition that you appointed a committee to investigate for yourselves the position of the company. This you kindly did, and I think I may congratulate you upon appointing gentlemen who have thoroughly and honestly performed their duty. The result of their labours you have before you, and it is with a view that you should express your opinion on their suggestions that The result of their labours you have before you, and it is with a view that you should express your opinion on their suggestions that we are now met to-day. You have all had copies of their report. I do not propose to offer any comment on it, but rather leave it to you to determine if we as directors are to carry out as far as possible their recommendations. It appears to me there is little to be gained by referring to the past, except to profit by sad experience. I would rather direct all our energies to develop what is on all hands admitted to be a very fine property. to develop what is on all hands admitted to be a very fine property. Looking at the report we have received, there is one concensus of opinion, that under wise administration with a fair amount of capital. and worked on an honest and economical basis, it cannot fail to prove a very profitable and lucrative investment. At present I understand that our liabilities do not exceed £1000, and that we possess a valuable freehold estate of some 72 square miles, free from any encumbrance or charge whatever. You have from time to time received particulars of your estate, and we may, I think, rest assured that only good and practical management is required to make our shares rank in the market at their proper value. How is this management to be obtained? Certainly not by myself or my co-directors in ment to be obtained? Certainly not by myself or my co-directors in London, without the aid of good Colonial local experience. To provide this we propose to send out one of the board to consult with good local authorities and take such steps as their practical experigood local adhorities and take such steps as their practical experience recommends. Up to this time we have been unable to use this experience in consequence of the attitude taken by the representatives of the vendors, who (whether wisely or not I leave them to determine) have strongly opposed the outlay necessary to develop the property. That difficulty is now removed and by far the greater portion of the shares is now held by English shareholders, giving us on this side absolute control. You have never they have been having year, but there in America and enter into a contract with the Government for the use of one-third of the water in the very large reservoir known as the Boksburg dam. The supply there during the driest seasons had never been exhausted. On account of the close proximity to the Boksburg collieries, they would be able to mill and mine cheaper than any other gold mining company on the Rand. Companies near Johannesburg had to pay about 21s. for coal per ton, while they had entered into a contract for the supply of their requirements at 9s. per ton. Altogether, the conditions were very favourable, and with good management, the company ought to have a very bright future. By charging small monthly fees to subsidiary companies for secretarial and mine clerical work, and employing the services of only one manager and one consulting engineer, and by exercising the strictest economy, be was pleased to say that the expenses in connection with the working of the affairs of the company had been kept very low. It was regrettable that the profit and loss second to say that the expenses in connection with the working of the affairs of the company had been kept very low. It was regrettable that the profit and loss second the property indeed, we have already offered to us unsolicited, a large cept as to the important question of ways and means. There would not be slightest difficulty in raising the small sum required on the property; indeed, we have already offered to us unsolicited, a large sum sufficient for present purposes, but taking into property; indeed, we have already offered to us unsolicited, a large sum sufficient for present purposes, but taking into consideration how we shall have to deal with the various materials and properties it is very desirable that we should not encumber the title to allotments by having any mortgage on the property if it can be avoided. At the last general meeting Mr. Clements started the idea of revenue bonds as a first charge; this commends itself much to your board as offering a really first class security without damaging the commercial credit of the company, and ought to be readily taken up by the shareholders. By so doing they will receive a good rate of interest for the advance, and at the same time be improving the value of their present boldings. So soon as arrangements are made on the other side for

company by Captain Steger, an American gentleman of undoubted position and experience, who has throughout rendered very valuable assistance in the recent troubles through which we have passed, and it will be through him that we hope Mr. Borrodaile will be able to negotiate the various business to be done. It is contemplated to try and get Captain Steger and another gentleman of equal position to act as a local committee, with whom the resident manager can keep in touch, and who will also exercise the supervision necessary, which it is impossible for a London board to have on any resident manager. There is one more matter, namely, the adoption of fresh Articles of Association for the management of the company. When the company was first established it was formed under table A, which in many respects is inconvenient. The Chairman concluded by moving the following resolutions: following resolutions:-

1. That from and after the confirmation of these resolutions, the Articles of Association be, and they are hereby repealed and annulled. Provided always that this repeal shall not affect the validity of any act, matter or thing made or done by or under the authority of the said Articles of Association before such repeal.

2. That the regulations produced to the meeting, and for the purpose of identification initialled by the Chairman, shall as and from the same time be, and they are hereby made the regulations of the company.

Mr. BORRADAILE seconded the resolutions, which were carried

The CHAIRMAN then moved a resolution adopting the report made by the committee, and expressing at the same time the thanks of the meeting for their services in investigating the affairs of the

CARDINALL cordially seconded the resolution, and said that when his attention was first drawn to the Comberland Lands, he, knowing something of the United States, felt that the company, owning 46,000 acres absolutely unencumbered, would attain under proper management a considerable measure of success. The proproper management a considerable measure of success. The property of the company were fully set out in the report of the committee, and he wished to lay especial stress upon what had been said regarding agriculture, which, properly developed, he thought, would lead to most profitable results. There was little doubt that the board would be able to induce some young Englishmen to go out under their tuition, and after a period of probation to see if they were suitable young men they would be able to give the company security on their property. In his own experience he had known of young men going out in that way and doing extremely well. Once the projected railways, mentioned in the report, had been constructed the country would be sure to develop rapidly, and very likely a township would grow up.

Mr. J. L. BORRADAILE cited an instance in support of the view of Mr. Cardinall had expressed as to the future of the agricultural

of Mr. Cardinall had expressed as to the future of the agricultural operations of the company.

A SHAREHOLDEE enquired whether there ought not to be a local board at the property to take the companies under their personal The CHAIRMAN said it was proposed to establish one. A large

shareholder who lived near the property would have another gentle-man associated with him in the control of the company's business. The resolutions were then put and carried unanimously, and a vote of thanks to the Chairman for presiding terminated the pro-

LION (MOZAMBIQUE) GOLD COMPANY, LIMITED.

Encouraging prospects for the future.-The Lion reef.

The first ordinary general meeting of the Lion (Mozambique) Gold Company (Limited) was held at Winchester House, on Thursday, the chair being occupied by Mr. G. TAVENOR.

The Secretary (Mr. Henry Richards) read the notice convening the meeting.

The Secretary (Mr. Henry Richards) read the notice convening the meeting.

The CHAIRMAN said:—Gentlemen, your directors this morning have great pleasure in meeting you for the first time in connection with this company, which is the descendent of the Gold Fields of Mozambique. The Lion property is a property which has been so well reported on by our manager, Mr. Niness, in Mozambique, and his report has been so well endorsed by Mr. Alford, who represents in that colony the firm of Bewick and Moreing, that your directors anticipate that in the future there may be a career of great success for the company. In regard to the working capital, £50,000, I may say that it has practically all been obtained entirely from private sources. No approach was made to the public for funds. Now. I may say that it has practically all been obtained entirely from private sources. No approach was made to the public for funds. Now, gentlemen, considering that we are living in times when all mining enterprises are under a cloud, and when the public confidence in the industry is not of such a character as would warrant any promoter going fearlessly to the public unless his venture were fully underwritten, the ready response made, especially by shareholders in the La Plata Company, to an appeal for the funds necessary to commence working shows both confidence in the property and a regard for the interests of the shareholders. My colleagues and I sincerely trust that they will have no cause to regret having assisted at the inauguration of the concern. (Applause.) You will observe by the map on the wall that the Gold Fields of Mozambíque Company possesses a very large quantity of gold claims. Out of these claims you will see below on the left a series of reefs marked out called the Tiger property, belonging to them. On the right you will see another series below on the left a series of reefs marked out called the Tiger property, belonging to them. On the right you will see another series of reefs called the Bettencourt property, while higher up is the Menzies property. Now, turning to the Lion map, we perceive that we possess 14 claims, each of which consists of 100 metres square measurement, which would equal 330 English feet. We possess, then, these 14 reefs, and as to their value I don't think I could do better than quote some extracts from Mr. Alford's report on this property, which will show you its exact position and nature. His report was written in October, 1893, and in it he says:—"The Lion property consists of 14 mining claims, each 100 metres square, and is situated on a sharp hill known as the Birthday Ridge, about 3 miles south of Massekessi Fort, and about 2 miles north of the main wagon road in the Munene Valley. A good stream of water issues on the plains, and runs down the northern side of the hill, the water never falling throughout the year. This, by the the hill, the water never failing throughout the year. This, by the construction of a dam, would be made available for the plates of a small mill. The whole of the property, especially at the eastern end, is well wooded with small but useful trees, and there is also a end, is well wooded with small but useful trees, and there is also a considerable quantity of small bush which would furnish a temporary supply of fuel. In many places along the line of the claims are the remains of ancient workings, consisting of pits, now almost entirely filled in by heaps of debris, but the traces have been so obliterated during a long period of time that little information is to be gained from their inspection. Not much work has been done on the property, owing to the difficulties with which the manager has had to contend during the past season. The principle points to be noticed are as follows:—At the point called A on the map a small outting about 8 feet deep has been made, exposing a mass of quartz about 3 feet in depth, striking north 40° east. The whole ground has been very much broken up and disintegrated by weathering. A has been very much broken up and disintegrated by weathering. A sample of the quartz taken from this point has been sent to London for away. At B the cutting also exposes a large mass of vein quartz, for assay. At B the cutting also exposes a large mass of vein quarts, which may possibly prove to be a continuation of that found at A, and B the outcrop of a vein. The quartz shows gold in the pan, and a sample is sent herewith for assay. There is nothing definite to remark upon respecting the point D, but some of the quartz shows a fair prospect of gold upon panning. At K there is also a shallow cutting, and a quantity of dislocated vein quartz in the same disintegrated surface deposits as at B, some of which shows gold on panning. On the eastern end of the property there are quantities of flat quartz on the surface, which, in most cases, show gold in the pan, a sample of which is sent with this report to London for assay. That is what Mr. Alford says about this property, and he is a very cautious, painstaking mining engineer, who London for assay." That is what Mr. Afford says about this property, and he is a very cautious, painstaking mining engineer, who, if anything, certainly errs on the side of prudence. I have only quoted his report to show that, in his opinion, the Lion property certainly possesses possibilities of a character to justify our shareholders in taking an interest in it. There is little more that I can

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say to you as to the recent advices. So short a period has elapsed since the inauguration of the company that we have not had time to receive an answer from Mr. Kiness to the Lion Company's letter advising him to proceed working the property for the new company now possessing it. Recent communications received from Mr. Niness, however, have given his opinion, confirmed elsewhere, that the Lion should be one of the best gold producing properties on the field. Our capital will be husbanded with great care, and Mr. Niness is certainly a man wa can rely on in carrying out our instructions in regard to the property. There is one other thing in connection with the property which I must mention, and that is the proposed railway, All those interested in Matabeleland and Mashonaland know that Mr. Rhodes has elected to find the capital for the construction of a continuation of the Barra Railway, so important does this additional communication appear to be to the colony. At present the railway only runs within some 60 miles, and all things which may be sent to the gold fields have to come by wagon, which makes them very expensive. By the end of the year, however, we expect that the railway will have advanced considerably nearer to our property, and so obviate the difficulties of the Fly Country. Soon we shall have communication throughout that country, and shall be able to get up all the stores which may be required with ease and facility and much less expense. As to the future business of the mine, you will not be surprised to hear that as soon as we come upon psyable quarts and have commenced opening up our mines by the sinking of a shaft and other works, it will be necessary to have some milling accommodation for crushing. That time is, I think, within a measurable distance. From what I hear it is probable that an enterprise will be started by several infunctial men to work crushing mills to serve those mines which may not have mills of their own in actual working, and it is the intention of your board to utilise those say to you as to the recent advices. So short a period has elapse

The CHAIRMAN replied £50 a year each.

The proceedings concluded with a hearty vote of thanks to Mr. Tavenor for presiding.

ALABAMA COAL, IRON, LAND, AND COLONISATION COMPANY, LIMITED.

Trade in Alabama.-A decrease in land sales.

The twelfth ordinary general meeting of the shareholders in the Alabama Coal, Iron, Land, and Colonisation Company (Limited) was held at Winchester House, on Wednesday, the chair being occupied by Mr. AUGUSTUS B. ABRAHAM.

The SECRITARY (Mr. Eugene Cox) read the notice convening the meeting.

The CHAIRMAN said: Gentlemen, the report has been in your hands for some time, and I do not suppose you wish it to be read. I ought to say a word, I think, as to the reason of the delay in holding our meeting, which is seven weeks after the usual time. That reason simply was that we were in hopes of being able to congratulate you on the fact that foreign pig iron and foreign coal would not be allowed to enter the United States duty free. There is, of course, a very great difference of opinion on this question, and some of the Democratic party—and especially those connected with ourselves—think that it would interfere very greatly with Eastern and Northern trade, for Nova Scotia iron would be introduced into all the Atlantic ports against Alabama iron, so that we should lose a good many of our markets in the north. Well, there have also been a very cogent set of reasons urged by one set of people in the south in favour of Free Trade, and by another set against it. We have thought, however, that under no circumstances—so far has the Alabama trade developed—could we be interfered with. The matter is, however, one upon which it is very difficult to form an opinion, seeing that politics are so much mixed up in it. We cannot help it, and we can only hope that whatever happens Alabama will be able to hold its own under all circumstances. There is no doubt that under the operation of the tariff the development of Alabama has gone on most successfully. The report which we have to lay before you is certainly an exceedingly disappointing one, and the first page of it, especially, gives me a very unpleasant text to celarge upon. There it appears that we sold during the year no land in fee simple or miseral rights, and that we have only sold 4065 acres of surface rights for £13,485, at an average price of a few cents less per acre than we received last year. I don't think this is to be wondered at, especially after the statement detailed in the bold litt The SECRETARY (Mr. Eugene Cox) read the notice convening the which would, in the event of an improvement, first coaim accession.

I hope that little book will be some satisfaction to the shareholders and certificate holders in showing that the people of the south are viewing matters without any despondency at all, and that, notwithstanding the severe crisis they have passed through, they are making extraordinary efforts to maintain the position of Register. Alshams, and to atract the attention of Northerners and English but the note collections have also been very small, but the note collections have also been small, and together with the interest received on account of land sales have totalled only \$19,711, as compared with \$36,062 in the last year. This is to be accounted for by reason of the arrangement come to with the 7-w out Mining and Manufacturing Company. They owed as \$66,500, and during the last two years we have been holding out hopes that the counter with the effect of which will be that we shall be remitted back to the ownership of all the lands we have in the district, the effect of which will be that we shall be remitted back to the ownership of all the lands sold, free of all the costs of fact at the present moment we hold \$23,000 acres of land sites and mining the seven were and thought the sales been very small, but the note collections have also been working on tutwork, also four pictures at the present moment of land sales have totalled only \$19,711, as company would be able to make its payments. Since then, however, they have gone the company would be able to make its payments. Since then, however, they have gone through liquidation, and are unable to raise for by reasonable to response the summer of the count of the county will sent the majority do not. We have the purpose of payment, and that the position of the count of 125, atom, they have gone to the definition of the count of the county will sent the mine in the county reservoirs in order to stop the engine 45 its, at a thom, stepling at \$10 and the point of 125 at a home, stepling at \$10 and the present large and through at

of the acreage mentioned in the report. There are two items in the cash account of the American Company, which I think will be very gratifying to the shareholders. My friend, Mr. Schiff, you will remember, on a former occasion, said that there was a possibility of increasing rents being paid to us, and you will see on page 12 of the report that for rents \$1202 has been received, instead of the \$600 of last year. That is to say that the amount received in rents has been doubled. Then there is the dividend of the Standard Coal Company of \$700. That is the investment made by the American Land Company, and it has turned out exceedingly advantageous, and I noticed in perusing the report that the output of coal for that company was reported in May last as 650 tons per diem. (Hear, hear.) The result of the accounts is that there was a small amount of \$468, mentioned as remittances, or which we were willing should be treated as remittances, seeing that our work requires that payments should be made there, and to save the expense in exchange we have arranged that these shall be treated as remittances. The amount would have to be divided among three funds, and would yield only a very small amount to the bondholders and certificate holders, the fact being that it requires about £3000 to pay a coupon, so that there is no good beginning there. With regard to the balance-sheet, I have a very few remarks to offer. It will be noticed that the share sinking fund is reduced, not only by the payment of a dividend, but also by the reserve of £1520 against depreciation on some of the American securities which we hold. Our anditors require that some allowance should be made, at least on the face of the accounts. We have taken the price at the end of the year, and it amounts to £1520. We hope next year that there will be a considerable improvement in American securities which we hold. Our anditors require that some fund you see it is only £1618 10s. 11d., and that is not sufficient to pay a coupon. Then there is an item of sundry deb 1892, although the interest on our investment is considerably reduced.

I do not know there is anything more for me to say. So far as your directors are concerned, they have no fear whatever as to the result of the operations of this company. As to the shareholders, result of the operations of this company. As to the shareholders, we have a fund large enough for the payment of dividends for the next six years, and as regards the certificate holders, our business is a business of liquidation, and we cannot help the depression which exists in the commerce of America. When we undertook this business 16 years ago we were hopeful as to the future, and, if that were so, how much more cause have we not to be hopeful now that the position of Alabama is so much improved in relation to pig iron, coal and cotton. The shareholders will be glad to know that the property out there is in good hands; so that when a turn in the tide comes we shall be able fully to profit by it. The Chairman concluded by moving the adoption of the report and accounts.

Mr. Schiff seconded the motion, saving that there was no doubt that the value of the company's assets was as great as it had ever been, and, that being so, and the management on the other side being excellent, he thought they might look for most satisfactory results in the future. (Hear, hear.)

Mr. AUSTEN: I suppose we have had the benefit of the £2000 which has been forfeited.

The CHAIRMAN: Yes; we should like a number of similar trans-

The CHAIRMAN: Yes; we should like a number of similar trans

The motion for the adoption of the report and accounts was then

put and carried.

The retiring directors, Messrs. Abraham and Kirkwood, having been re-elected, and the auditors, Messrs. Price, Waterhouse and Co., re-appointed, the meeting terminated with a vote of thanks to the Chairman.

WHEAL BASSET.

Call of 4s. 6d. per share.

A 16 weekly meeting of adventurers was held on the mine on Tuesday, Mr. Francis Oats presiding. The accounts showed—Debits, labour pay. £3478; supplies (including coal, £1179), £2122; bank charges, £48; stannary assessment, £4 7s.: total, £5673 Credits, 103 tons of black tin sold, £4292; other receipts made the total £4381, leaving a loss of £1292. The total balance against the

The committee's report regrets that the returns for the past quarter show a reduction of 10 tons 18 owts. 3 qrs. of tin, and £325 in amount realised. This is due to some breakages in the machinery, which has given us a smaller quantity of tin stone. The quantity of tin stone stamped has been 485 tons, as compared with 5473 tons last quarter. Our average produce has been 47½ by, to the ton, as against 45 bis in the former quarter. The reduction in the consumption of coal is owing to the smaller quantity of tin stuff stamped and the stoppage of the Carakie engine for several days. Our merchants' bills show an increase of £37, due to repairs of breakages and a supply of steel rails, which was urgently needed. In average price of tin sold during the quarter shows an increase of £1 3s a ton, viz., £41 11s, 5d., against £40 Es, 5dd The loss of £1292 will require a call of 4s, 5d. per share, which your committee recommend. The usual analysis is appended, lysis for quarter,

This.

Last.

Tinstuff stamped ... Average produce..... Labour acce This.
4885 tons
4714 bbs. per ton
4714 bbs. per ton
4714 bbs. per ton
47179 11s. 8d.
47179 11s. 8d.
471 11s. 6d.
471 11s. 6d.
47179 11s. 9d.
47179 11s. 9d. 4º lbs. per ton. 23365 4s. 11d. 21252 4s. 1d. 2875 12s. 2d. as 3 owts 3 qrs. 24 240 8s. 6d. ost of coal..... ferchants' bills in sold £5538 00, 6d. £4690 120, 3d. Increas Lisbour cost Cost of coal Merchants' bills . £73 12s. 5d. £67 9s. 4d. ... 10 tons 18 cwts. 3 qrs. 22 lbs rerage price tal cost tal credits £1 3s. 0d. £135 11s. 3d. #309 1s. 3d.

AGRETS' REPORT.—Gentlemen: The 235 end west is driving by boring machiners at 25 10s, a fathom, producing stones of tin but nothing to value. 250 ond east on south part of lode, driving by boring machiners at 25 10s, a fathom, worth 215. 250 end east of crossout on south part of lode worth 217 a fathom, driving at 25 s 4 fathom and 3s. 6d. a ton. 259 end east of crossout on south part of lode worth 217 a fathom, driving at 25 a fathom and 3s. 6d. a ton. 259 end east of the 250 end east of the 250 worth 250 a fathom, working at 250 a ton. A working at 250 a fathom, stopping at 3s. a ton. A stope working at 250 a fathom, stopping at 3s. a ton. A stope working at 250 a fathom, stopping at 3s. a ton. A stope working at 250 a fathom, is worth 210 a fathom, stoping at 3s. a ton. A stope working at the 230 is worth 213 a fathom, stoping at 3s. a ton. The 220 end west of winzs world 213 a fathom, stoping at 3s, a ton. The 220 end west of winzs sinking below the 220 is worth 213 a fathom, indepoor at present. A winz sinking below the 220 is worth 213 a fathom, such stoping at 4s, a ton. A stope in the back of the 220 worth 213 a fathom, each stoping at 2s 3d.; a ton. The 170 end west of Grace's shaft is driving at 21 3th 2s. a ton. The 170 end west of Grace's shaft is driving at 21 3th 2s. a fathom producing stamping work. Stope in back of 170 212 a fathom, stoping at 3s. a ton. Stope in back of 170 21, stoping at 23 3th. We have at present 125 men working on tutwork, also four pitches working on tribute by eight men at 12s. in the 2s tandard 21 tile, per ton for the. Total employed in every department underground, including shaftmen, timbermen, transers, &s., and fillers, 151 men. We regret we have to show such a heavy loss on the quarter's working. The reduction of 10 tons of tin in our returns is very disappointing to us. We have had so many petty breakaged during the quarter with our pumping machinery, the water being in our workings, that we have been unable to discharge our usual quantity of tin-stone.—William Amer. Oranger Charles Clement, James Andrew.

accounts. He mentioned this as a wrong impression had gone abroad—that the shareholders could not discuss and medify the accounts after publication. He proposed that the accounts be received and adopted with the committees and agents report, and the balance of £385 be carried to the debit of the next meeting.

Mr. HENEY TREMBATH seconded, and the motion was carried.
The CHARMAN said it was regreetable that their loss was £1200 on the quarter's working. Why their receipts were a little more and returns a little less was that they were prevented by breakages from getting their expected quantity of tin. That tin was still in the mine, and he hoped it would come forward to make their loss a little less next time, as he was afraid the coming quarter would also show a loss. He liked to credit nothing except the tin ready for sale at the end of the period for which they hold their accounts. He considered their custom of holding the accounts every quarter of the calendar year much superior to the present empirical fashion of reckoning time in Cornish mines, under which sometimes 13 and sometimes 16 weeks' merchants' bills were charged, so that outsiders could not check the comparative expenditure or economy in different mines, as they could if they had a uniform and constant basis. The agents' report showed that the mine was as promising as it had been for some time past, and, with only a reasonable price for tin, would give the greatest possible encouragement. They had been tossed and troubled with difficulties, and especially with the water question. They had had more than the ordinary rainfall, but have managed to keep the mine in fork fairly well up to now. They tossed and troubled with difficulties, and especially with the water question. They had had more than the ordinary rainfall, but have managed to keep the mine in fork fairly well up to now. They had reason to hope that ends driven especially towards the western part will open and extend the piece of ground at the 230 20 or 30 fathoms longer; and that this will warrant them incurring the expenditure necessary to cope with the greater quantity of water if they develop the mine in depth. (Hear, hear.) They were endeavouring to get neighbouring mines to keep down the water on the eastern boundary, so that the engine may devote the most time to the water going east, and enable them, probably, to discover semething to benefit them and encourage the shareholders in the neighbouring mines. With a reasonable price for tin, no doubt the mines in this district will all be Wheal Grenvilles—(hear, hear)—only he believed, from the geological formation of the country, they would have to go deeper than Wheal Grenville to get the junction of these profitable lodes; so perseverance was required to make Wheal Basset equally as rich. They ought not to flinch now when the whole world seems to be in a state of depression, as depression never lasts more than a certain time, ought not to flinch now when the whole world seems to be in a state of depression, as depression never lasts more than a certain time, and if they exercise patience things will regain their old course. The price of silver has enabled the East to export an enormous quantity of tin to compete with Cornwall, but even the powers of endurance of the Straits must be limited, and the present price must make a tremendous difference to them. In time things will find their level, and meanwhile they must go on beating time. He hoped they would be able to keep that side of Carn Brea hill dry and ready for the advance of tin which will surely come. (Hear, hear.) Unfortunately he had seen very little of the prospects of the mine, but his banking account had been affected by the demands for calls. Mr. Trembath would, perhaps, give them a very much more flattering and promising

would, perhaps, give them a very much more flattering and promising forecast of the future than himself. (Applause.)

Mr. JOHN G. BONE said it was a very unsatisfactory duty to have to propose a call, but they must pay their debts. He proposed a call of 4s. 6d. a share to meet the liabilities of the company, payable on or before 1st October, 1894, with an allowance of 5 per cent, discount if paid before that date.

Mr. HENRY OLDS seconded, and the motion was carried.

cent. discount it paid before that date.

Mr. HENEY OLDS seconded, and the motion was carried.

On the motion of Mr. George Carter (Transack), seconded by Mr. W. Lidgey (Devoran), it was resolved to print and circulate the accounts; and the date of the next meeting was fixed for October 22-24-24. 23rd at 1 p.m.

23rd at 1 p.m.
Captain OATS said Mr. Henry Trembath was really the Chairman, and asked him whether they would have a dividend next time?
Mr. TREMBATH said the manager could best reply to that. As far as the committee are concerned they have always been accustomed to pay off the liability for the quarter. He had been unfortunate enough to stick to the mine, and had been most unfortunate since he became connected with the committee of a mine, as he got wedded to it, and could not buy and sell shares like some other people. But having lost their money they could not afford to lose their character; so if the mine stopped in six or 12 months' time they would stand a chance of a dividend at the death if not in life. (Laughter.) They certainly would not have any arrears in Wheal Basset. He had been a little too sangaine over the mine, but could not help thinking they really had a mine in Wheal Basset, and, if they only had the price for tin they obtained 12 or 18 months ago, they would now be paying cost or perhaps making a little profit.

The Chairman said that as he had been away he would propose a

they would now be paying cost or perhaps making a little profit.

The CHAIRMAN said that as he had been away he would propose a vote of thanks to the purser and manager for the way they had carried out their duties. He professed to know a little about mining, and had an opportunity to see things. He felt greatly indebted to them, as with a little less careful management they would have been in a very much worse position than they found themselves. (Hear.) In spite of the stoppage of Wheal Uny, the manager and engineer had so dealt with the matter that the mine was still in fork. He was quite sere that Mr. James has as much pluck as any Cornishman, which was saying a good deal. (Hear, hear.)

After a brief acknowledgment by Mr. RENDLE, the purser,

quite sere that Mr. James has as much pluck as any Cornishman, which was saying a good deal. (Hear, hear.)

After a brief acknowledgment by Mr. RENDLE, the purser, Captain James, in replying, said he thanked them for the confidence they had in him. They were passing through severe and critical circumstances. The present price of tin was killing altogether. The quality of stuff stamped was very low indeed, the reason being that they have had—not a serious breakage, but a lot of little ones, and time after time the engine went idle two, four, six, or eight hoars; the consequence was that water is in the bottom of the level. They had a piece of ground below the 200 40 fathoms on the line of the lode, which from the 112 down will last for years, but, unfortunately, it is poor ground. The mine in the bottom—at the 230, which, be supposed, has been as good as any level driven in the mine—has not had much done yet to the bottom of the level, for a big outlay in machinery will be needed to do that. They anticipate that at the 230 there is going to be a big heave in the flat lode. He thought that will be thrown south 20 fathoms. It is nothing unusual for a bunch of tin going down north to jump 40 or 50 fathoms south or jump out altogather. (Laughter.) He would like to see the 200 and 230 driven almost to the boundary. They have had a severe season for water. Their system has been to pump the water out during the summer to be prepared for the winter. (Hear, hear.) In the last two winters they have had to pump an unusual stream, and they have more in their reservoir now than they care to have. Last week the engine ran solid a week without let, which ran down the water in the copper workings, but she is now idle for the day. Breakages cannot be helped, as plates are poor and none in the shaft are alike; so duplicates cannot be kept in stock; although, on the whole, they do their repairs as quickly as and none in the shaft are alike; so duplicates cannot be kept in and some in the shart are anise; so deplicates cannot be kept in stock; although, on the whole, they do their repairs as quickly as anybody else, and change a pump in four hours—a thing no other mine in the county, probably, has done. They want to empty the reservoirs in order to stop the engine 48 hours, and, with an ordinary run of leck, they will get the mine in fork again. They have a piece of ground to explore in line with the shoot of tin where the lote is there exactly. During the coming guarater they will see that. He of ground to explore in line with the shoot of tin where the lo 'e is thrown south. During the coming quarter they will see that. He had always tried to get the men to realise the difficulties before them, but, apparently, they care very little about them. If the mine is to prosper, foreign customs must be adopted. It was useless for one mine alone to try to carry them out; and he has some good men working as well as he could wish; but the majority do not. With the present price of tin the county will shat up, or they must put agents to go underground with the men and come up with them.

A vote of thanks to the Chairman, on the motion of Mr. F. HARVEY, J.P., seconded by Mr. W. LIDGELY, was unanimously carried, and the meeting ended.

MESSES. DONALD CURRIE and Co's steamer Grantully Custle

WHEAL FRIENDLY MINE COMPANY.

Some promising lodes to be developed.—A unanimous mee'ing.

An ordinary general meeting of shareholders in the Wheal Friendly Mine Company was held on Wednesday, at 110, Cannon-street, for the reception of scoounts, and other general business. Mr. T. WILLIAMS presided, and among those present were the Rev. W. M. Lennox, and Messrs. Milburn, Budd, Noall, G. Coulter, Hancock

The CHAIRMAN read the agent's report as follows:

The 10 fathom level driving east of new shaft (which is 56 fathoms from the surface) on the Pink tode during the past quarter we have intersected the cross course, and have driven S fathoms beyond it. The lode is from 5 to 6 feet wide, and producing 48 ibs. of tin to the ton. The lode in the present end is of the same character and value. At this point we have the ground standing whole to the surface, and is only 45 fathoms east of our new shaft. The rise west of cross cut has been put up 5 feet. The lode is from 3 to 4 feet wide, and producing 30 lbs. of tin per ton of stuff. We are laying open some tolerably good tin ground, which could be taken away at a profit with more stamping power. We have anout 250 worth of tin ore on the surface in course of preparation for the market.—NICHOLAS VIVIAK.

grounds. The loads we wand of consecut has been put up a fees. The loads is laying open some tolerably good tin ground, which could be taken away at a profit with more stamping power. We have about £50 worth of the over on the surface in course of preparation for the market.—Nicuolas Yiviax. The CHAIRMAN then said:—Gentlemen, an exceptionally long time bas elapsed since we last had the pleasure of meeting you, and this delay has been technically an error on our part. Under the circumstances, however, which will be fully explained to you later on, we considered some delay was advisable, and as this delay has not in any way been prejudicial to your interests, we hope we shall not be too severely censured for it. You will see by the report of Captain Yivian that the prospects of the mine, as a mining property, are as bright and as favourable as ever, and that we have nearly a couple of tons of tin getting ready for market. The Pink lode, which we have recently devoted more attention to, has gradually proved a lode of considerable size, and is carrying more tin than at any previous time. We have been obliged to stop our developments on the flat lode in the south part of our property in consequence of bad ventilation. You will remember we had been working this ground by using the West Klity shaft. We have, however, as you have been previously informed, proved the fact that the rich flat lode most desired with the stamp of the shareholder, however, this was no surprise, as they had long foreseen the advisability of taking such a step, at last, the action of Mr. Reynolds, who for several years has never held more than a few share, led to the removal of the business of the company from his offices. This removal was forced upon your committee were perfectly unanimous that the opportunity offered was too advantageous not to take advantage of, and it is for you to record at this meeting whether you approve of it, and this will be submitted to you in the proper form later on. With regard to the reasons 'for the delay in bo

monsly.

Mr. HANCOCK then moved:—

That to provide for the working of the mine during the next three months, and to meet and discharge the present liabilities, a call of 1s. 6d, per share on the shares of this company be and is hereby made, payable to the bankers of the company, Messra. Bolitho, Williams, and Co. (Limited), Truro, on or before Wodnesday, August 15, 1894.

In moving the resolution, Mr. HANCOCK said that at the present time the liabilities were not serious. The balance due at the bankers was £635 8s. 2d., their assets, as represented in the cost-sheet, amounted to £61 4s., and there was also tin valued at about £60 now in course of preparation for sale. The proposed call would enable them to pay off all liabilities and to provide for the working of the mine for another quarter.

The Rev. W. M. LENNOX seconded the motion, which was carried unanimously.

animously.

Mr. MILBURN asked how much the call would realise.

Mr. MILBURN asked how much the call would realise.
The CHAIRMAN replied £750.
Mr. HANCOCK then moved a resolution appointing Mr. Thomas
Williams as secretary of the company.
The Rev. W. M. LENNOX seconded the motion.
Mr. NOALL asked whether it was not the custom to appoint a
permanent Chairman to the company. If so he should have liked
to see Mr. Williams occupying that position if it were competent
for Mr. Williams to act both as secretary and Chairman.
Mr. HANCOCK said it was the custom to appoint a Chairman at
the meeting. He had, in fact, his doubts as to whether it
it was competent for a mining company, worked on the Cost-book
principle, to appoint a permanent Chairman.

principle, to appoint a permanent Chairman.

The motion was then put and carried unanimously.

Mr. LENNOX then moved, and Mr. MILBURN seconded, a resolution authorising and approving the removal of the offices from 37, Walbrook, to 110, Cannon-street, which was carried unanimously.

On the motion of Mr. NOALL the following resolution was cordially

That the best thanks of this meeting be and are hereby presented to the committee of management for thir past services, and that the following do constitute such committee until the next general meeting of the company—vis., Messrs. G. Budd, J. J. Gait, G. C. Hancock, W. M. Lennox, W. H. P. Martio, E. Milburn, C. Twite, and T. Williams.

Mr. G. C. HANGOCK then laid before the shareholders some particulars respecting the present position of the company. The property was, he said, considered to be one of the best mining properties in St. Agnes—(hear, hear)—and at the present time St. Agnes was considered to be one of the best districts in Cornwall. Now, there is no doubt whatever as to the existence of the West Kitty lode in the property, seeing that it had been worked close up to their southern boundary, while from a piece of ground not so large in extent as Wheal Friendly the West Kitty people had declared dividends amounting to £110,000. These dividends had been paid from the product of a lode known as the fist lode—which traversed the whole of the Wheal Friendly sett. (Hear, hear.) By making a small outlay—he called £5000 or £6000 a comparatively small outlay—in his opinion they could sink a shaft in Wheal Friendly, erect an engine, and reach the fist lode at about 60 fathoms. Then they would be in a position to pay dividends. Apart from the fist lode—from which imbest known lodes in the parish—the Pink lode—from which im-Mr. G. C. HANCOCK then laid before the shareholders some

menre quantities of tin had been sold and enormous dividends paid by the adjoining mines, particularly by Penhales, which immediately adjoined it on the east. At the present moment a little further east the lode was being worked by the Blue Hills Company, and the lode to-day was of immense value. Either of the lodes he had mentioned—the flat lode and the Pink lode—was of sufficient value to warrant the spending of enough money to erect an engine and sink a shaft. (Applause.)

The CHAIRMAN was exceedingly pleased to hear these remarks—(hear, hear)—from a man who knew more about the district than anyone at present in London. (Hear, hear.) It was very kind of Mr. Hangock to come up to the meeting to give them the information. (Hear, hear.)

formation. (Hear, hear.)
Mr. MILBURN expressed the same view.

The meeting then became special, for the purpose of con-dering matters not within the scope of the ordinary business.

Mr. HANCOCK moved:

That shares upon which there are two or more calls due and unpaid be forfeited unless the amount be paid within twenty-one days from this date.

date.

Mr. BUDD seconded the motion, which was carried unanimously.

The CHAIRMAN then said: Gentlemen, the subject of the more rapid development of the Wheal Friendly Mine has been frequently discussed and very seriously considered, and as several of your committee are like many, if not the major portion, of our shareholders, largely interested in mining properties in Cornwall and elsewhere, and consequently know to their cost the serious calls upon their resources by the presistent requirements of nondividual mines. where, and consequently know to their cost the serious calls upon their resources by the persistent requirements of non-dividend mines, which have been aggravated by the depressed state of not only the tin market, but every mining industry and manufacturing trade in the country, the question of bringing in outside capital has very seriously been considered in the easiest manner to the present shareholder, and at the same time without reducing their present interest, and also without unduly increasing the total capital of our company. You will doubtless have read with interest the various suggestions that have appeared frequently in the Cornish and other min. company. You will doubtless have read with interest the various seggestions that have appeared frequently in the Cornish and other mining papers with regard to Limited Liability, and will have noted that
they almost without exception favour the principle of Limited Liability, as being probably the best method of inducing the investment of
outside capital into Cornish mines. There is no doubt the "Costbook" system has many advantages, but, on the other hand, it has
the great disadvantage that the general public have no confidence
in it and do not look upon it with any favour and even in Cornwall book "system has many advantages, but, on the other hand, it has the great disadvantage that the general public have no confidence in it, and do not look upon it with any favour, and even in Cornwall itself I believe it is on its last legs. Now as we want about £6000 we must place ourselves in the best position to obtain it, and also at the same time endeavour to give you the maximum of advantage with the minimum of cost. A scheme has been formulated which I believe will, when carefully considered by you, meet your approval. We have had the advantage of discussing this scheme with several outside capitalists and financiers who approve of it, and I am also pleased to tell you the Lords of Wheal Friendly sett have kindly given their consent to it, and I have no doubt this will favourably influence your opinion. We only ask you at this meeting to look upon this scheme favourably as a preliminary step. The scheme being fully matured, and we in a position to say definitely we can obtain the capital required, we should then call you together again to finally discuss it. I may tell you at the outset that there will be no "promotion" money, and every pound of the money proposed to be raised will be expended on the mine, and in paying the legal and registering expensee connected with it. These, however, will be small. We find the amount of cash we require is £6000, based upon the careful calculation of experts. This will sink our shaft complete with timbering down to the flat lode, provide an engine for pumping and winding purposes, and the various surface plant. In order to provide this amount we have had during the past six months many negotiations with a gentleman who has a large and powerful clientèle in the metal industries, and who has had considerable and successful experience in financing, and who approves of the scheme. He has also gone to the expense of having had our mine examined and reported on by his own indeand who approves of the scheme. He has also gone to the expense of having had our mine examined and reported on by his own inde-pendent expert. Several of your committee recently had the opportunity of meeting this gentleman in London, in the presence of several of his friends, when he assured us he could carry out our scheme. He has also written us on the subject, and which letter will read to you, and I think you will be satisfied with his assurances But the moment for the actual subscription of the cash is not pro-pitious owing to the unfortunate depressed state of trade, and espe-cially the tin-plate industry, but in the course of the autum months no doubt this will mend itself. The scheme is briefly this pitions owing to the unfortunate depressed same of take, and any cially the tin-plate industry, but in the course of the autumn months no doubt this will mend itself. The scheme is briefly this. A small limited company is proposed, with a nominal capital of £25,000 in £1 shares, of which 10,000 shares are proposed to be issued to the present shareholders, with 15s. paid up; 6000 shares will be offered for subscription, with a bonus or brokerage to cover expenses of 3500 fully-paid shares. The gentleman in question proposes to get 4000 shares, at least, subscribed amongst his friends, and the other 2000 will be offered to the present shareholders on the same terms as to bonus or brokerage, so that the fully-paid shares will be absorbed by those who subscribe for the new capital. This will leave 5500 shares of £1 each as a reserve for future requirements. The present shareholders would, therefore, by agreeing to this scheme for a future outlay of 5s. per share, be able to convert their present holding into fully-paid shares of £1 each, free from any further liabilities. A large proportion of our shareholders already approve of the idea. We could, of course, with your approval, adopt the bold course of making sofficient calls to provide all the outlay required, but we feel this course, during the unprecedentedly depressed state of business, is not an advisable one. As I said before, we do not want at this meeting your actual decision, as we are not at the moment in a position to actually guarantee the money, but we desire you carefully to consider it, so that when we meet you again—which we hope will be before the usual period of our next general meeting—we shall have the unanimous consent of the shareholders. In conclusion, I wish to assure you that no additional expense will be incurred by these negotiations, so that you may have no anxiety on that account. Such, gentlemen, is the outline of the proposed scheme, so far as it goes, and I may remark we are not at the present moment in a position to say that it can position to say that it can be carried out, out I think there is a good prospect of doing so. One or two other Cost-book mines in Cornwall are making the same move, as in our own case, their finances will not allow them to move as quickly as they might wish.

Mr. MILBURN said the scheme would provide for the subscription of £2000 by the present shareholders, and of £4000 by outside

He then moved :-

the then moved:—

The committee having laid before the meeting some particulars of a scheme whereby capital is proposed to be provided for the better development of the mine, it is resolved that the committee be requested and is hereby authorised to conduct the necessary negotiations and to report thereon when sufficiently advanced to the shareholders.

The Rev. W. M. LENNOX seconded the motion. Mr. HANCOCK said that as there were so large a

earried by acclamation, concluded the proceedings

shareholders in favour of the change to the Limited Liability principle he should not oppose it, but at the same time he might state his own opinion, which was that the Cost-book was the only principle

on which Cornish mines could be properly worked.

Mr. MILBURN said that if the scheme were not carried out, they
would have had to provide the whole sum among the shareholders,
and if the amount were required soon, large calls would have to be

Mr. HANCOCK said that small calls would have done. The one oling made at present of is. 6d. was considered a very small call.

The motion was then put and carried unanimously.

A vote of thanks to the Chairman, moved by Mr. NOALL, and

FATAL PIT ACCIDENT AT DALRY.—James Murray, a young miner, 17 years of age, was on Monday morning accidentally killed in No. 9 Blair Pit, belonging to Messrs. Wm. Baird and Co. (Limited). He was engaged along with his father at the face, when a fall from the roof took place, burying the young man, and crushing him in such a manner that he only lived a few minutes after being released.

THE QUEBRADA RAILWAY, LAND, AND COPPER COMPANY, LIMITED.

The low price of copper, - Improvements in the management. - A committee of investigation appointed.

The 12th ordinary general meeting of the shareholders in the Quebrada Bailway, Land, and Copper Company (Limited) was held yesterday, at the Cannon-street Hotel, E.C., the chair being out in pied by Mr. Hugh Matheson.

The SECRETARY (Mr. A. D. Mitchell) fread the notice convening

the meeting.

The CHAIRMAN said: Gentlemen, I wish much it were in my power to give you a more cheerful account of the company's affairs for the year on which we are now reporting. You will, however, have gathered from the printed report that there are several distinct reasons why we are unable to do so—the serious effects of excentional floods, including a break in the Barquisimeto Railway, which entailed a loss to this company in railway receipts of £20,000; a diminution in the copper contents of the available ore extracted from the mine, and the unexampled low price to which the metal has fallen. You will hardly need to be told that the serious losses incurred have occupied the increasing attention of the board, and it will not be for want of the most untiring and strenuous exertions on our part if substantial improvements and economies are not introduced into the working. As you have learned, we exertions on our part if substantial improvements and economies are not introduced into the working. As you have learned, we sent out to Venezuela, last autumn, a commission from the board, to make a thorough investigation into the management on the spot. As a result of their report and recommendations, and after long and anxious consideration, the board are determined to reorganise the local management, and are sending out immediately an able and experienced metallurgist and mining engineer. Mr. Alexander Hill, to examine the mines and methods of working, together with a new manager, whom he will install at the mines and smelting works. We have also engaged a new manager for the railway department, a man of special ability and experience. These important steps cannot, of course, be expected to tell much upon the getner with a new manager, whom he will install at the mines and smelting works. We have also engaged a new manager for the railway department, a man of special ability and experience. There important steps cannot, of course, be expected to tell much upon the financial results of the present year; nevertheless, we are not without hopes that they may shortly put a new face upon things. It is evident that until we receive a report from Mr. Hill there must be much uncertainty as to the future of the company's mining property. I am thankful, however, to say that, irrespective altogether of these changes, the six months just terminated have shown a marked improvement in the diminished cost of mineral production, and in an increase of general railway traffic. Indeed, after allowing for debenture and other interest, the revenue account for those six months shows a small profit. We began in 1893 with a debit balance in the revenue account of £19,531 4s. I deeply regret to say this loss was increased during the year by £77,228 12s. 8d., so that the amount at debit of revenue account on Dec. 31 last was £96,759 16s 8d. The explanation of this melancholy result is as follows:—1. The ore taken from the mine yielded half a unit—literally 0.47 per ton less copper than the previous year. This goas for £12,000. 2. The price realised was £3 8s. 4d. per net ton of copper less, equal to £10,000. 3. Our interest and exchange charges went up, as compared with the previous year, £7000, 4. The receipts in the railway department were seriously prejudiced by the break caused by floods in the Barquisimeto Railway, now again completely restored, and in proper working order. Compensation to owners of produce, £1900; repairs to Barquisimeto Railway, and was increase to debit of revenue account. You will judge from this that the financial position of the company has caused us the gravest anxiety. There did not occur to the board any method by which funds could be provided outside to carry the company through its difficulties. On the other h holders, and that we are inviting their co-operation in devising some plan for re-adjusting the company's finance to serve all interests, and to secure the supply of funds for the current working of the concern. It will necessarily, however, take several months before anything definite as to the future can come from the mines, and I fear we must be prepared to exercise patience until then. And you may accept the board's assurance that nothing will be done without previous communication with yourselves, as well as the creditors of the company. I beg to move the adoption of the report and accounts. ccounte Colonel ANSTRUTHER seconded the motion.

Colonel ANSTRUTHER seconded the motion.

Mr. F. CARTER: No doubt the perusal and study of the report
and accounts has suggested to many of you gentlemen that the
position of our affairs is serious. I am bound to believe myself
that is so, and feel, unless the matter is taken in hand quickly and something done to arrest the fatal policy and effects of an annually increasing debt, the shareholders will soon find themselves without any property, and the debenture holders with a much diminished security. property, and the debenture holders with a much diminished security, for I am informed that the security of the debenture holder is only a floating charge upon the property, and does not prevent further borrowing of money, having a prior claim to themselves on any particular part of our property, and as a matter of fact I believe our bankers, Messrs. Matheson, have for their security the railway, which I take to be the most valuable part of our property. When we look at our position in 1891, when we had £47,000 to our oredit, and compare it with the present, I think jwe shall all be struck with melancholy and with the seriousness of the situation. In 1892 we lost £67,000, including the £47,000 we carried forward, and in 1893 we lost £77,000, making a total loss for the two years of £144,000. In 1893 we produced 2760 ton-of copper at a total charge for mining, smelting, carriage, freights, commission, &c., of £140,000, or over £50 a ton, or, if we deduct for increase of stocks, between £48 and £49 at on. In 1892 our production was 3065 tons, obtained at a cost of £145,000, which represents about £47 a ton, and if we deduct for increase of stocks, would be less. In 1891 the production was 6356 tons, obtained at a total cost of about £170,000, or about £27 5s. a ton. It will be seen that the costs per ton increase terribly, and now leave no chance of a profit from the mines, but a very beavy loss. Eankers' interest has the costs per ton increase terribly, and now leave no chance of a profit from the mines, but a very heavy loss. Bankers' interest has increased from £3200, in 1892, to £10,100, in 1893. Where is this to end, I ask you? In view of the seriousness of the situation I am propose in no spirit of hostility to the hoard or any one. to end, I sak you? In view of the seriousness of the studion I had going to propose, in no spirit of hostility to the board or any one, "That a committee, composed of at least three members, all being debenture holders as well as shareholders, shall be appointed to confer with the board, and report to the shareholders and debenture holders, by circular or otherwise, the result of the conference,

ture holders, by circular or otherwise, the result of the conference, together with any recommendations they may think desirable." I shall be obliged if any gentleman will second the proposal.

Mr. MEATES seconded Mr. Carter's motion, expressing his sarprise that when the regulus was produced at so great a loss the directors should not only have maintained, but actually have increased, the production. It seemed to him that it would have been better had the mine been shut down. He was quite willing to accept the view that the causes of the upfortunate results which had followed the mine been shut down. He was quite willing to accept the view that the causes of the unfortunate results which had followed upon the company's operations were quite beyond the control of the directors, but he thought it would be more satisfactory if the shareholders were to have this statement from an independent comsuarenoiders were to have this statement from an independent committee after investigation, and upon that account he supported the motion moved by Mr. Carter. He was at the same time unable to see why a prior charge should have been created over the heads of the debenture holders without taking them into consultation.

The CHAIRMAN said the board had no objection at all to the appointment of a committee. They had, in fact, thrown out a similar suggestion themselves. Every enquiry into the adminis-

say to you as to the recent advices. So short a period has slapsed since the inauguration of the company that we have not had time to receive an answer from Mr. Ninese to the Lion Company's letter advising him to proceed working the property for the new company new possessing it. Recent communications received from Mr. Ninese, however, have given his opinion, confirmed elsewhere, that the Lion should be one of the best gold producing properties on the field. Our capital will be husbanded with great care, and Mr. Ninese is certainly a man we can rely on in carrying out our instructions in regard to the property. There is one other thing in connection with the property which I must mention, and that is the proposed railway, All those interested in Matabeleland and Mashonaland know that Mr. Rhodes has elected to find the capital for the construction of a continuation of the Barra Railway, so important does this additional communication appear to be to the colony. At present the railway only runs within some 60 miles, and all things which may be sent to the gold fields have to come by wagon, which makes them very expensive. By the end of the year, however, we expect that the railway will have advanced considerably nearer to our property, and so obviate the difficulties of the Fly Country. Soon we shall have communication throughout that country, and shall be able to get up all the stores which may be required with ease and facility and much less expense. As to the future business of the mine, you will not be surprised to hear that as soon as we come upon psyable quartz and have commenced opening up our mines by the sinking of a shaft and other works, it will be necessary to have some milling accommodation for crushing. That time is, I think, within a measurable distance. From what I be necessary to have some milling accommodation for crushing. That time is, I think, within a measurable distance. From what I hear it is probable that an enterprise will be started by several infinential men to work crushing mills to serve those mines which may not have mills of their own in actual working, and it is the intention of your board to utilise those mills for the present should they be started, so as to save the large amount of money which would be required for the erection of machinery. When our mining operations commence to grow and extend it will be for us to consider the expediency of having our own mills and our own cyanide plant. You are aware that we have a very capable mine. cyanide plant. You are aware that we have a very capable mine manager, who will be our superintending manager. Labour is cheap and, I believe, plentiful, the situation will be adjacent to the railway, and the reports from the property are excessively encouraging. way, and the reports from the property are excessively encouraging. In fact, I do not know of any property in Mosambique which has been more encouragingly spoken of than our own, excepting perhaps Pardy's Syndicate. The latter appear to have done exceedingly well, jedging from the very high price at which their shares are quoted—some 60 per cent. or 70 per cent, premium—and the confidence which the shareholders repose in the concern. It appears to me, however, that the Lion is situated as favourably, and I do not see why our shareholders should not become in time just as satisfied with our own property. I hope that when we meet again we may have something of an encouraging nature to communicate to you. Perhaps I should mention that I have been asked by several of the La Plata shareholders to say whether they could not obtain some shares in the Lion. I have always referred them to the secretary. The La Plata shareholders have behaved very well to us, and have responded in the most liberal manner, and I hope they will not have any cause to regret the confidence they have placed in us.

A SHAREHOLDER enquired what the present remuneration of the directors was.

The CHAIRMAN replied £50 a year each.

The proceedings concluded with a hearty vote of thanks to Mr. Tavenor for presiding.

ALABAMA COAL, IRON, LAND, AND COLONISATION COMPANY, LIMITED.

Trade in Alabama,-A decrease in land sales.

The twelfth ordinary general meeting of the shareholders in the Alabama Coal, Iron, Land, and Colonisation Company (Limited) was held at Winchester House, on Wednesday, the chair being occupied by Mr. AUGUSTUS B. ABRAHAM.

The SECRETARY (Mr. Eugene Cox) read the notice convening the

cocapied by Mr. Augustus B. Abraham.

The Secretary (Mr. Eugene Cox) read the notice convening the meeting.

The Chairman said: Gentlemen, the report has been in your hands for some time, and I do not suppose you wish it to be read. I ought to say a word, I think, as to the reason of the delay in holding our meeting, which is seven weeks after the usual time. That reason simply was that we were in hopes of being able to congratulate you on the fact that foreign pig iron and foreign coal would not be allowed to enter the United States duty free. There is, of course, a very great difference of opinion on this question, and some of the Democratic party—and especially those connected with ourselves—think that it would interfere very greatly with Eastern and Northern trade, for Nova Scotia iron would be introduced into all the Atlantic ports against Alabama iron, so that we should lose a good many of our markets in the north. Well, there have also been a very cogent set of reasons urged by one set of people in the south in favour of Free Trade, and by another set against it. We have thought, however, that under no circumstances—so far has the Alabama trade developed—could we be interfered with. The matter is, however, one upon which it is very difficult to form an opinion, seeing that politics are so much mixed up in it. We cannot help it, and we can only hope that whatever happens Alabama will be able to hold its own under all circumstances. There is no doubt that under the operation of the tariff the development of Alabama has gone on most successfully. The report which —e have to lay before you is certainly an exceedingly disappointing one, and the first page of it, especially, gives me a very unpleasant text to cellarge upon. There it appears that we sold during the year no land in fee simple or mineral rights, and that we have only sold 4065 acres of surface rights for £13,485, at an average price of a few cents less per acre than we received last year. I don't think this is to be wondered at, especially after during the recent boom, and which have had to be suspended, but which would, in the event of an improvement, first claim attention. I hope that little book will be some estisfaction to the shareholders and certificate holders in showing that the people of the south are viewing matters without any despondency at all, and that, notwithstanding the severe crisis they have passed through, they are making extraordinary efforts to maintain the position of Alabams, and to attract the attention of Northerners and English capital to their resources. Not only have the sales been very small, but the note collections have also been small, and together with the interest received on secount of land sales have totalled only \$19,711, as compared with \$36,082 in the last year. This is to be accounted for by reason of the arrangement come to with the New outh Mining and Manufacturing Company. They cwed as \$66,500, and during the last two years we have been holding out hopes that the company would be able to make its payments. Since then, however, they have gone through liquidation, and are unable to raise funds for the perpose of payment, and at last we have some to an arrangement with some few who still remain in the district, the effect of which will be that we shall be remitted back to the ownership of all the lands sold, free of all the costs of foresclosing, while the £3000 paid on deposit will be kept by as as forfeited. There will, of course, be a deduction of \$66,500 from the amount of notes, while the lands we have in hand will be increased by the acreage spon which we have foreclosed. In point of fact at the present moment we hold \$23,000 acres of land instead

of the acreage mentioned in the report. There are two items in the cash account of the American Company, which I think will be very gratifying to the shareholders. My friend, Mr. Schiff, you will remember, on a former occasion, said that there was a possibility of increasing reuts being naid to us, and you will see on page 12 of the report that for rents \$1202 has been received, instead of the \$600 of last year. That is to say that the amount received in rents has been doubled. Then there is the dividend of the Standard Coal Company of \$700. That is the investment made by the American Land Company, and it has turned out exceedingly advantageous, and I noticed in perusing the report that the output of coal for that company was reported in May last as 650 tons per diem. (Hear, hear.) The result of the accounts is that there was a small amount of \$463, mentioned as remittances, or which we were willing should be treated as remittances, seeing that our work requires that payments should be made there, and to save the expense in exchange we have arranged that these shall be treated as remittances. The amount would have to be divided among three funds, and would yield only a very small amount to the bondbolders and certificate holders, the fact being that it requires about £3000 to pay a coupon, so that there is no good beginning there. With regard to the balance-sheet, I have a very few remarks to offer. It will be noticed that the share sinking fund is reduced, not only by the payment of a dividend, but also by the reserve of £1520 against depreciation on some of the American securities which we hold. Our auditors require that some allowance should be made, at least on the face of the accounts. We have taken the price at the end of the year, and it amounts to £1520. We hope next year that there will be a considerable improvement in American securities, and that our special securities will no longer suffer in the depreciation. Then as regards the bondholders sinking in American securities, and that our special securities will no longer suffer in the depreciation. Then as regards the bondholders sinking fund you see it is only £1618 10s. 11d., and that is not sufficient to pay a coupon. Then there is an item of sundry debtors, which, in point of fact, includes amounts, i.o., claim as against the American company for some costs incurred in a provincial sale which, I am sorry to say, never was completed, and that remains outstanding between us and them, Then the last item which I have to refer to is administration expenses, which are only £12 more than in 1892, although the interest on our investment is considerably reduced. I do not know there is anything more for me to say. your directors are concerned, they have no fear whatever as to the result of the operations of this company. As to the shareholders, we have a fund large enough for the payment of dividends for the we have a fund large enough for the payment of dividends for the next six years, and as regards the certificate holders, our business is a business of liquidation, and we cannot help the depression which exists in the commerce of America. When we undertook this business 16 years ago we were hopeful as to the future, and, if that were so, how much more cause have we not to be hopeful now that the position of Alabama is so much improved in relation to pig iron, coal, and cotton. The shareholders will be glad to know that the property out there is in good hands; so that when a turn in the tide comes we shall be able fully to profit by it. The Chairman concluded by moving the adoption of the report and accounts.

Mr. SCHIFF seconded the motion, saying that there was no doubt that the value of the company's assets was as great as it had ever been, and, that being so, and the management on the other side being excellent, he thought they might look for most satisfactory results in the future. (Hear, hear.)

in the future. (Hear, hear.)

Mr. Austen: I suppose we have had the benefit of the £2000 which has been forfeited.

The CHAIRMAN: Yes: we should like a number of similar trans

The motion for the adoption of the report and accounts was then put and carried.

The retiring directors, Mesers. Abraham and Kirkwood, having been re-elected, and the auditors, Mesers. Price, Waterhouse and Co., re-appointed, the meeting terminated with a vote of thanks to the

WHEAL BASSET.

Call of 4s. 6d. per share.

A 16 weekly meeting of adventurers was held on the mine on Tuesday, Mr. Francis Oats presiding. The accounts showed—Debits, labour pav. £3478; supplies (including coal, £1179), £2122; bank charges, £48; stannary assessment, £4 7s.; total, £5673 Credits, 103 tons of black tin sold, £4292; other receipts made the total £4381, leaving a loss of £1292. The total balance against the adventurers was £1385. venturers was £1385,

wenturers was £1385.

The committee's report regrets that the returns for the past quarter shows a reduction of 10 tons 13 cwts. 3 qrs. of tin, and £326 in amount realised. This is due to some breakages in the machinery, which has given as a smaller quantity of tin stone. The quantity of tin stone stamped has been 485 tons, as compared with 5478 tons last quarter. Our average produces has been 475 the, to the ton, as against 46 lbs in the former quarter. The reduction in the consumption of coal is owing to the smaller quantity of tin stuff stamped and the stoppage of the Carnkie engine for several days. Our merchants' bills show an increase of £37, due to repairs of breakages and a supply of steel rails, which was urgently needed. he average price of tin sold during the quarter shows an increase of £13s at ton, vis., £41 ll., \$d., against £40 8s. 6d The loss of £123 will require a call of 4s. 6d. per share, which your committee recommend. The usual analysis is appended. This.

Last.
5478 tons.
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£2155 4s. 1d.
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3ns 3 cwts 3 grs. 24 lb.
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£45538 0s. 6d. alysis for quarter, Last. This.
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Average produce... bour cost st of coal 103 to 214 to Increase. 114 lbs. per ton £112 lbs. 7d. Average produce
Labour cost
Cost of coal
Merchants' bills
Tin sold £73 12s. 5d. 267 9s, 4d. 10 tons 18 owts. 3 qrs. 22 lbs £1 3s. 0d. £135 11s. 3d.

AGENTS' BEFORE,—Gentlemen: The 239 end west is driving by boring machinery at 29 10s, a fathorm, producing stones of tin but nothing to raise. 230 end east on south part of lode, driving by boring machinery a 29 10s, a fathorm, worth £15. 230 end east of crosscut on south part of lod worth £10 a fathorm, driving at £4 a fathorm and 3s. £61. a ton. 230 end east of crosscut on south part of lod worth £12 a fathorm, driving at £4 a fathorm and 3s. £61. a ton. 230 worth £15 a fathorm and 3s. £61. a ton. A rise in the back of the 230 worth £15 a fathorm, rising at £7 and 3s, a ton. A stone working in the back of the 230 south part of lode, worth £15 a fathorm, working at 3s. £6d. a ton. Another is worth £10 a fathorm, stoning at £3s. a ton. A stone working at the 230 is worth £15 a fathorm. south part of tode, worth £15 a fathom, working at 3s. 6d. a ton. A nother is worth £10 a fathom, stoping at 3s, a ton. A stope working at the 270 is worth £18 a fathom, stoping at 3s, a ton. The £20 end west of whinse is driving by boring machinery at £7 a fathom, lode poor at present. A wines ainking below the £20 is worth £12 a fathom, each stoping at 2s. We have stopes in the back of the £20 worth £13 a fathom, each stoping at 4s, a ton. A stops in the back of the £20 worth £13 a fathom, each stoping at 2s 3d, a ton. The 170 end west of Grace's shaft is driving at £3 10s. a fathom, producing stamping work. Expe in back of 170 £12 a fathom, stoping at 53 at a ton. Etops in beak of 170 £12 a fathom, stoping at 53 at ton. Etops in beak of 170 £12 a fathom, stoping at 53 at ton. Etops in beak of 170 £12 a fathom, stoping at 53 at ton. Etops in beak of 170 £12 a fathom, stoping at 53 at ton. Etops in beak of 170 £12 a fathom, toping at 53 at ton. Etops in beak of 170 £12 a fathom, toping at 53 at the market at the fathom of the fathom at 12s, in the £ standard £12 its, per ten for tis. This employed in every dispartment underground, including shaftmen, timbermen, trammers, £0., and fillers, 151 mea. We regret we have to show such a heavy loss on the quarter's working. The reduction of 10 tons of thin in our returns is very disappointing to us. We have had so many postly breakages during the quarter with our pumping machinery, the water being in our workings, that we have been unable to discharge our usual quantity of tim-stone. We till LLLAM JANES, OVALES, OZEMES, JANES AFRESW.

Stone.—WILLIAM JAMES, OWARLES CLEMENS, JAMES ANDREW.

The CHAIRMAN said it was more a matter of duty than of pleasure that they were there, as with tin at the present low price most of the Cornish mines are in the regrettable position of having a balance on the wrong side. In spite of efforts made to develop the mines by improved machinery, everything seems to have been frustrated so far as good results are concerned, owing to the drop in tin, which had been continuous during the seven years that he had taken an interest in Basset—from £160 per ton until now it was something over £60. Wheal Basset sent out accounts before the meeting, and, in this respect, was early as any mine in Cornwall, if not the earliest; but this did not commit, the shareholders to accepting the

accounts. He mentioned this as a wrong impression had gone abroad—that the shareholders could not discuss and modify the accounts after publication. He proposed that the accounts be received and adopted with the committees and agents report, and the balance of £385 be carried to the debit of the next meeting.

Mr. HENRY TREMBATH seconded, and the motion was carried.

The CHAIRMAN said it was regrettable that their loss was £1200 on the quarter's working. Why their receipts were a little less was that they were prevented by breakages from getting their expected quantity of tin. That tin was still in the mine, and he hoped it would come forward to make their loss a little less next time, as he was afraid the coming quarter would also show a loss. He liked to credit nothing except the tin ready for sale at the end of the period for which they hold their accounts. He considered their custom of holding the accounts every quarter of the calendar year much superior to the present empirical fashion of reckoning time in Cornish mines, under which sometimes 13 and sometimes 16 weeks' merchants' bills were charged, so that outsiders could not check the comparative expenditure or economy in different mines, as they could if they had a uniform and constant basis. The agents' report showed that the mine was as promising as it had been for some time past, and, with only a reasonable price for tin, would give the greatest possible encouragement. They had been toosed and troubled with difficulties, and especially with the water give the greatest possible encouragement. They had been tossed and troubled with difficulties, and especially with the water question.

They had had more than the ordinary rainfall, but have give question. They had had more than the ordinary rainfall, be managed to keep the mine in fork fairly well up to now. managed to keep the mine in fork fairly well up to now. They had reason to hope that ends driven especially towards the western part will open and extend the piece of ground at the 230 20 or 30 fathoms longer; and that this will warrant them incurring the expenditure necessary to cope with the greater quantity of water if they develop the mine in depth. (Hear, hear.) They were endeavouring to get neighbouring mines to keep down the water on the eastern boundary, so that the engine may devote the most time to the water going east, and enable them, probably, to discover semething to benefit them and encou-rage the shareholders in the neighbouring mines. With a reasonable price for tin, no doubt the mines in this district will all be Wheal rage the shareholders in the neighbouring mines. With a reasonable price for tin, no doubt the mines in this district will all be Wheal Grenvilles—(hear, hear)—only he believed, from the geological formation of the country, they would have to go deeper than Wheal Grenville to get the junction of these profitable lodes; so perseverance was required to make Wheal Basset equally as rich. They ought not to flinch now when the whole world seems to be in a state of depression, as depression never lasts more than a certain time, and if they exercise patience things will regain their old course. The price of silver has enabled the East to export an enormous quantity of tin to compete with Cornwall, but even the powers of endurance of the Straits must be limited, and the present price must make a tremendous difference to them. In time things will find their level, and meanwhile they must go on beating time. He hoped they would be able to keep that side of Carn Brea hill dry and ready for the advance of tin which will surely come. (Hear, hear.) Unfortunately he had seen very little of the prospects of the mine, but his banking account had been affected by the demands for calls. Mr. Trembath would, perhaps, give them a very much more flattering and promising forecast of the future than himself. (Applause.)

Mr. JOHN G. BONE said it was a very unsatisfactory duty to have to propose a call, but they must pay their debts. He proposed a call of 4s. 6d. a share to meet the liabilities of the company, payable on or before 1st October, 1894, with an allewance of 5 per cent, discount if paid before that date.

Mr. HENEX OLDS seconded, and the motion was carried.

On the motion of Mr. George Carrier (Trannack), seconded by Mr. W. Lidgey (Devoran), it was resolved to print and circulate the accounts; and the date of the next meeting was fixed for October 237d at 1 p.m.

Captain OATS said Mr. Henry Trembath was really the Chairman,

Captain OATS said Mr. Henry Trembath was really the Chairman,

Captain OATS said Mr. Henry Trembath was really the Chairman, and asked him whether they would have a dividend next time? Mr. TREMBATH said the manager could best reply to that. As far as the committee are concerned they have always been accustomed to pay off the liability for the quarter. He had been unfortunate enough to stick to the mine, and had been most unfortunate since he became connected with the committee of a mine, as he got wedded to it, and could not buy and sell shares like some other people. But having lost their money they could not afford to lose their character; so if the mine stopped in six or 12 months' time they would stand a chance of a dividend at the death if not in life. (Laughter.) They certainly would not have any arrears in Wheal (Laughter.) They certainly would not have any arrears in Wheal Basset. He had been a little too sanguine over the mine, but could not help thinking they really had a mine in Wheal Basset, and, if they only had the price for tin they obtained 12 or 18 months ago, they would now be paying cost or perhaps making a little profit.

The CHAIRMAN said that as he had been away he would propose a vote of thanks to the purser and manager for the way they had carried out their duties. He professed to know a little about mining, and had an opportunity to see things. He felt greatly indebted to them, as with a little less careful management they would have been in a very much worse position than they found themselves. (Hear.) In spite of the stoppage of Wheal Uny, the manager and engineer had so dealt with the matter that the mine was still in fork. He was called such as the Manager and considerations that M. Lange, he are more larger and an engineer. quite sure that Mr. James has as much pluck as any Cornishman, which was saying a good deal. (Hear, hear.)

After a brief acknowledgment by Mr. RENDLE, the purser, Captain James, in replying, said he thanked them for the confidence they had in him. They were passing through severe and critical circumstances. The present price of tin was killing altogether. The quality of stuff stamped was very low indeed, the reason being that they have had—not a serious breakage, but a lot of little ones, and time after time the engine went idle two, four, six, or eight hours; the consequence was that water is in the bottom of the level. They had a piece of ground below the 200 40 fathoms on the line of the lode, which from the 112 down will last for years, but, unfortunately, it is poor ground. The mine in the bottom—at the 230, which, he supposed, has been as good as any level driven in the mine—has not had much done yet to the bottom of the level, for a big outlay in machinery will be needed to do that. They anticipate that at the 230 there is going to be a big heave in the flat lode. He thought that will be thrown south 20 fathoms. It is nothing unusual for a bound of tin going down north to jump 40 or 50 fathoms south or jump ont altogether. (Laughter.) He would like to see the 200 and 230 driven almost to the boundary. They have had a severe season for water. Their system has been to pump the water out during the summer to be prepared for the winter. (Hear, hear.) In the last two winters they have had to pump an unusual stream, and they have more in their reservoir now than they care to have. Last week the engine ran solid a week without let, which ran down the water in the copper workings, but she is now idle for the day. Breakages cannot be helped, as plates are poor and none in the shaft are alike; so duplicates cannot be kept in stock; although on the whole they determined to the late to see the late of the pump and they have the and the pump and have the shaft are alike; so duplicates cannot be kept in stock; although on the whole they determined to the late to see the late in the copper workings, but she is now idle for After a brief acknowledgment by Mr. RENDLE, the purser, Captain James, in replying, said he thanked them for the confidence and none in the shaft are alike; so duplicates cannot be kep and none in the shaft are alike; so duplicates cannot be kept in stock; although, on the whole, they do their repairs as quickly as anybody else, and change a pump in four hours—a thing no other mine in the county, probably, has done. They want to empty the reservoirs in order to stop the engine 48 hours, and, with an ordinary run of luck, they will get the mine in fork again. They have a piece of ground to explore in line with the shoot of tin where the lote is thrown south. During the coming quarter they will see that. He had always tried to get the men to realise the difficulties before them, but, apparently, they care very little about them. If the mine is to prosper, foreign customs must be adopted. It was useless for one mine alone to try to carry them out; and he has some good men working as well as he could wish; but the majority do not. With the present price of tin the county will shut ap, or they must put the present price of tin the county will shut up, or they must put agents to go underground with the men and come up with them.

A vote of thanks to the Chairman, on the motion of Mr. F. HARVEY, J.P., seconded by Mr. W. LIDGELY, was unanimously carried, and the meeting ended.

MESSES. DONALD CURRIE and Co's steamer Grantully Castle took gold for England to the value of £136,000 on the 25th.

WHEAL FRIENDLY MINE COMPANY.

Some promising lodes to be developed.—A unanimous mee'ing.

An ordinary general meeting of shareholders in the Wheal Friendly Mine Company was held on Wednesday, at 110, Cannon-street, for the reception of accounty, and other general business, Mr. T. WILLIAMS presided, and among those present were the Rev. W. M. Lennox, and Messrs. Milburn, Budd, Noall, G. Coulter,

The CHAIRMAN read the agent's report as follows:-

W. M. Lennox, and Messrs. Milburn, Budd, Noall, G. Coulter, Hancock.

The CHARMAN read the agent's report as follows:—

The 10 fathom level driving east of new shaft (which is 50 fathoms from the surface) on the Pink lode during the past quarter we have intersected the cross course, and have driven 5 fathoms beyond it. The lode is from 5 to 5 fest wide, and producing 43 lbs. of the to the ton. The lode in the present attantion of the same character and value. At this point we have the content of the same character and value. At this point we have the content of the surface, and is only 41 fathoms east of our new shaft. The lose is one of the surface, and is only 42 fathoms east of our new shaft. The lose is from 310 to 4 feet wide, and cross cut has been put up 5 feet. The lode is from 310 to 4 feet wide, and cross cut has been put up 5 feet. The lode is laying open some tolerably good in ground, which could be taken away at a profit with more stamping power. We have about 250 worth of the ore on the surface in course of preparation for the market.—Nicholas Yivilar.

The CHAIRMAN then said:—Gentlemen, an exceptionally long time has elapsed since we last had the pleasure of meeting you, and this delay has been technically an error on our part. Under the circumstances, however, which will be fully explained to you later on, we considered some delay was advisable, and as this delay has not in any way been prejudicial to your interests, we hope we shall not be too severely censured for it. You will see by the report of Captain Vivian that the prospects of the mine, as a mining property, are as bright and as favourable as ever, and that we have nearly a couple of tons of tin getting ready for market. The Pink lode, which we have recently devoted more attention to, has gradually proved a lode of considerable size, and is carrying more tin than at any previous time. We have been obliged for market. The Pink lode, which we have been obliged to stop our developments on the flat lode in the south part of our property, an than usual for this company, is a small one compared with many other non-dividend mines; our present account shows the whole of our trading accounts since we last met, and all our liabilities to merchants have been promptly paid. Our assets are small, but we can congratulate ourselves that we are "free from the skeleton of back debts," to borrow an expression used by an adjoining mine, and a very moderate call will free us from all liability to our bankers; our expenses are kept as low as possible, and it will inspire confidence in you to know that we shall incur no expenditure other than what is required for the mine, and further, that no member of your committee is interested as a merchant or otherwise in any way in the materials so required. I confess it is a very difficult matter to find at the moment the bright side in regard to mining affairs, specially in regard to tin mining in Cornwall, where for some time calls have been the rule, and dividends the exception. We had hoped that this month would have seen the American tariff decided, and that the removal of the duty on tin and a reduction on tin-plates, would have removal of the duty on tin and a reduction on tin-place, would have caused a considerable advance in price of this metal, especially as it is well known the American market is almost depleted of tin and tinplates; there is no doubt this reduction will come, as I am glad to say these duties were not a contentious matter, and that the tariff will be favourably settled sooner or later. In view of the special will be favourably settled sooner or later. In view of the special meeting to follow, I have now to conclude my remarks with [the proposal that the accounts and report be received and adopted.

Mr. MILBURN seconded the motion, which was carried unani-

Mr. HANCOCK then moved:-

That to provide for the working of the mine during the next three months, and to meet and discharge the present liabilities, a call of 1s. 6d, per share on the shares of this company be and is hereby made, payable to the bankers of the company, Messrs. Boiltho, Williams, and Co. (Limited), Truro, on or before Wednesday, August 15, 1894.

In moving the resolution, Mr. HANCOCK said that at the present time the liabilities were not serious. The balance due at the bankers was £635 8s. 2d., their assets, as represented in the cost-sheet, amounted to £61 4s., and there was also tin valued at about £60 now in the cost-sheet. about £60 now in course of preparation for sale. The proposed call would enable them to pay off all liabilities and to provide for the working of the mine for another quarter.

The Rev. W. M. LENNOX seconded the motion, which was carried

Mr. Milbuan asked how much the call would realise.
The CHAIRMAN replied £750,
Mr. HANCOOK then moved a resolution appointing Mr. Thomas

Mr. HANGOCK then moved a resolution appointing Mr. Thomas Williams as secretary of the company.

The Rev. W. M. LENNOX seconded the motion,
Mr. NOALL asked whether it was not the custom to appoint a permanent Chairman to the company. If so he should have liked to see Mr. Williams cocupying that position if it were competent for Mr. Williams to act both as secretary and Chairman.

Mr. HANCOCK said it was the custom to appoint a Chairman at the meeting. He had, in fact, his doubts as to whether it it was competent for a mining company, worked on the Cost-book principle, to appoint a permanent Chairman.

The motion was then pet and carried unanimously.

The motion was then put and carried unanimously.

Mr. LENNOX then moved, and Mr. MILBURN seconded, a resolution authorising and approving the removal of the offices from 37, Walbrook, to 110, Cannon-street, which was carried unanimously. On the motion of Mr. NOALL the following resolution was c

That the best thanks of this meeting be and are hereby presented to the committee of management for their past services, and that the following do constitute such committee until the next general meeting of the company—vis., Messrs. G. Budd, J. J. Gait, G. C. Hancock, W. M. Lennox W. H. P. Martin, S. Milburn, C. Twite, and T. Williams.

Mr. G. C, HANCOCK then laid before the shareholders some particulars respecting the present position of the company. The property was, he said, considered to be one of the best mining proin St. Agnes—(hear, hear)—and at the present time St was considered to be one of the hest districts in Cornwall. Agnes was considered to be one of the best districts in Column.

Now, there is no doubt whatever as to the existence of the West Kitty lode in the property, seeing that it had been worked close up to their southern boundary, while from a piece of ground not so large in extent as Wheal Friendly the West Fifth and declared dividends amounting to £110,000. Ritty people had declared dividends amounting to £110,000.
These dividends had been paid from the product of a lode known as the flat lode—which traversed the whole of the Wheal These dividends had been paid from the product of a love known as the flat lode—which traversed the whole of the Wheal Friendly sett. (Hear, hear.) By making a small outlay—he called £5000 or £6000 a comparatively small outlay—in his opinion they could sink a shaft in Wheal Friendly, erect an engine, and reach the flat lode at about 60 fathoms. Then they would be in a position to pay dividends. Apart from the flat lode they had also one of the best known lodes in the parish—the Pink lode—from which im-

THE QUEBRADA RAILWAY, LAND, AND COPPER adjoining mines, particularly by Penhales, which immediately adjoined it on the eart. At the present moment a little further east the lode was of immense value. Either of the lodes he had mentioned—the flat lode and the Pink lode—was of sufficient value to warrant the spending of enough money to erect an engine and sink a shaft. (Applause.)

The CHAIRMAN was exceedingly pleased to hear these remarks—(hear, hear)—from a man who knew more about the district than anyone at present in London. (Hear, hear.) It was very kind of Mr. Hancock to come up to the meeting to give them the information. (Hear, hear.)

Mr. MILBURN expressed the same view.

THE QUEBRADA RAILWAY, LAND, AND COPPER COMPANY, LIMITED.

The low price of copper. — Improvements in the management. — A committee of investigation appointed.

The 12th ordinary general meeting of the shareholders in the quebrada Railway, Land, and Copper Company (Limited) was held yesterday, at the Cannon-street Hotel, E.C., the chair being on the SECERTARY (Mr. A. D. Mitchell) Fread the notice convening

The meeting then became special, for the purpose of coloring matters not within the scope of the ordinary business.

Mr. HANOCK moved:—

That shares upon which there are two or more calls due and unpile be forfeited uniess the amount be paid within twenty-one days from this date.

Mr. Budd seconded the motion, which was carried unanimously. The Chairman then said: Gentlemen, the subject of the more rapid development of the Wheal Friendly Mine has been frequently discussed and very seriously considered, and as several of your committee are like many, if not the major portion, of our shareholders, larcely interested in mining properties in Corawall and elsewhere, and consequently know to their cost the serious calls upon their resources by the persistent requirements of non-dividend mines, which have been aggravated by the depressed state of not only the tim market, but every mining industry and manufacturing trade in the country, the question of bringing in outside capital has very seriously been considered in the easiest manner to the present interest, and also without unduly increasing the total capital of our company. You will doubtless have read with interest the various suggestions that have appeared frequently in the Cornish and other mining papers with regard to Limited Liability, and will have noted that they almost without exception favour the principle of Limited Liability, as being probably the best method of inducing the investment of outside capital into Cornish mines. There is no doubt the "Costbook" system has many advantages, but, on the other hand, it has the great disadvantage that the general public have no confidence in it, and do not look upon it with any favour, and even in Cornwall itself I believe it is on its last legs. Now as we want about £6000 we must place ourselves in the best position to obtain it, and also placed to tell you the Lords of Wheal Friendly seth have kindly given their consent to it, and I have no doubt this will favourably influence your opinion. We only ask you at this meeting to look upon this scheme favourably as a preliminary step. The scheme being fully matured, and we in a pos Mr. HANCOCK moved:—
That shares upon which there are two or more calls due and unpaid
That shares upon which there are two or more calls due and unpaid
That shares upon which there are two or more calls due and unpaid
That shares upon which there are two or more calls due and unpaid
That shares upon which there are two or more calls due and unpaid £25,000 in £1 shares, of which 10,000 shares are proposed to be issued to the present shareholders, with 15s. paid up; 6000 shares will be offered for subscription, with a bonus or brokerage to cover expenses of 3500 fully-paid shares. The gentleman in question proposes to get 4000 shares, at least, subscribed amongst his friends, and the other 2000 will be offered to the present shareholders on the same terms as to bonus or brokerage, so that the fully-paid shares will be absorbed by those who subscribe for the new capital. This will leave 5500 shares of £1 each as a reserve for future requirement. The present shareholders would therefore by new capital. This will leave 5500 shares of £1 each as a reserve for future requirements. The present shareholders would, therefore, by agreeing to this scheme for a future outlay of 5s. per share, be able to convert their present holding into fully-paid shares of £1 each, free from any further liabilities. A large proportion of our shareholders already approve of the idea. We could, of course, with your approval, adopt the bold course of making sufficient calls to provide all the outlay required, but we feel this course, during the unprecedentedly depressed state of business, is not an advisable one. As I said before, we do not want at this meeting your actual decision, as we are not at the moment in a position to actually guarantee the money, but we desire you carefully to consider it. actual decision, as we are not at the moment in a position to actually guarantee the money, but we desire you carefully to consider it, so that when we meet you again—which we hope will be before the usual period of our next general meeting—we shall have the unanimous consent of the shareholders. In conclusion, I wish to assure you that no additional expense will be incurred by these negotiations, so that you may have no anxiety on that account. Such, gentlemen, is the outline of the proposed scheme, so far as it goes, and I may remark we are not at the present moment in a position to say that it can be carried out, but I think there is a good prospect of doing so. One or two other Cost-book mines in Cornwall are making the same move, as in our own case, their finances wall are making the same move, as in our own case, their finance

will not allow them to move as quickly as they might wish.

Mr. MILBURN said the scheme would provide for the subscription
of £2000 by the present shareholders, and of £4000 by outside shareholders

hareholders.

He then moved:—

The committee having laid before the meeting some particulars of a scheme whereby capital is proposed to be provided for the better development of the mine, it is received that the committee be requested and is because anthorised to conduct the necessary negotiations and to report hereby authorised to conduct the necessary negotic thereon when sufficiently advanced to the shareholder

The Rev. W. M. LENNOX seconded the motion.

Mr. HANCOCK said that as there were so large a number of shareholders in favour of the change to the Limited Liability principle he should not oppose it, but at the same time he might state his own opinion, which was that the Cost-book was the only principle

nich Cornish mines could be properly worked.

MILBURN said that if the scheme were not carried out, they would have had to provide the whole sum among the shareholder, and if the amount were required soon, large calls would have to be

Mr. HANCOCK said that small calls would have done. Ar. HANCOUR said that small calls would have done. The one being made at present of 1s. 6d. was considered a very small call. The motion was then put and carried unanimously. A vote of thanks to the Chairman, moved by Mr. Noall, and carried by acclamation, concluded the proceedings.

FATAL PIT ACCIDENT AT DALRY .- James Murray, a young miner FATAL FIT ACCIDENT AT DALRY.—James Murray, a young miner, 17 years of age, was on Monday morning accidentally killed in No. 9 Blair Pit, belonging to Messrs. Wm. Baird and Co. (Limited). He was engaged along with his father at the face, when a fall from the roof took place, burying the young man, and crushing him in such a manner that he only lived a few minutes after being released.

The 12th ordinary general meeting of the shareholders in the Quebrada Railway, Land, and Copper Company (Limited) was held yesterday, at the Cannon-street Hotel, E.C., the chair being on inpied by Mr. HUGH MATHESON.

The SECRETARY (Mr. A. D. Mitchell) Fread the notice convening

pied by Mr. HUGH MATHESON.

The SECRETARY (Mr. A. D. Mitchell) Fread the notice convening the meeting.

The CHAIRMAN said: Gentlemen, I wish much it were in my power to give you a more cheerful account of the company's affairs for the year on which we are now reporting. You will, however, have gathered from the printed report that there are several distinct reasons why we are unable to do so—the serious effects of excertional floods, including a break in the Barquisimeto Railway, which entailed a loss to this company in railway receipts of £20,000; a diminution in the copper contents of the available ore extracted from the mine, and the unexampled low price to which the menh has fallen. You will hardly need to be told that the sprious losses incurred have occupied the increasing attention of the board, and it will not be for want of the most untiring and strenuous exertions on our part if substantial improvements and economica are not introduced into the working. As you have learned, we sent out to Venezuela, last autumn, a commission from the board, to make a thorough investigation into the management on the spot, As a result of their report and recommendations, and after long and anxious consideration, the board are determined to reorganise the local management, and are sending out immediately an able and experienced metallurgist and mining engineer, Mr. Alexander Hill, to examine the mines and methods of working, together with a new manager, whom he will install at the mines and smelting works, We have an oengaged a new manager for the railway department, a man of special ability and experience. There important steps cannot, of course, be expected to tell much upon the financial results of the present year; nevertheless, we are not without hopes that they may shortly put a new face upon things. It is evident that until we receive a report from Mr. Hill there must be much uncertainty as to the future of the company's mining property. I am thankful, however, to say that, irrespective altogether of these change is as follows:—1. The ore taken from the mine yielded half a unit—literally 0.47 per ton less copper than the previous year. This gone for £12,000. 2. The price realised was £3 8s. 4d. per net ton of copper less, equal to £10,000. 3. Our interest and exchange charges went up, as compared with the previous year, £7000. 4. The receipts in the railway department were seriously prejudiced by the break caused by floods in the Barquisimeto Bailway, now again completely restored, and in proper working order. Compensation to owners of produce, £1900; repairs to Barquisimeto Railway, £7300—£9200; these items with the interest, £32,000, and cost of administration. &c., £6000, make up the amount I have given as the increase to debit of revenue account. You will judge from this that the financial position of the company has caused us the gravest anxiety. There did not occur to the board any method by which funds could be provided outside to carry the company through its difficulties. On the other hand, the commercial agents could not be expected to continue their cash advances without holding security. After much consideration, Messrs. Matheson and Company consented to continue consideration, Mesers. Matheson and Company consented to continuo for a time the required advances on condition that they were secured. and this was done in such manner as has enabled the company to obtain the needful financial assistance up to the present. I may say that we have been in communication with some of the largest bond-holders, and that we are inviting their co-operation in devising some plan for re-adjusting the company's finance to serve all interests, and to secure the supply of funds for the current working of the concern. It will necessarily, however, take several months before anything definite as to the future can come from the mines, and I fear we must be prepared to exercise patience until then. And you may accept the board's assurance that nothing will be done without previous communication with yourselves, as well as the creditors of the company. I beg to move the adoption of the report and

accounts.

Colonel ANSTRUTHER seconded the motion.

Mr. F. CARTER: No doubt the perusal and study of the report and accounts has suggested to many of you gentlemen that the position of our affairs is serious. I am bound to believe myself that is so, and feel, unless the matter is taken in hand quickly and something done to arrest the fatal policy and effects of an annually increasing debt, the shareholders will soon find themselves without any property, and the debenture holders with a much diminished security, for I am informed that the security of the debenture holder is only a floating charge upon the property, and does not prevent further for I am informed that the security of the debenture holder is only a floating charge upon the property, and does not prevent further borrowing of money, having a prior claim to themselves on any particular part of our property, and as a matter of fact I believe our bankers, Messrs. Matheson, have for their security the railway, which I take to be the most valuable part of our property. When we look at our position in 1891, when we had £47,000 to our credit, and compare it with the present, I think jwe shall all bastruck with melancholy and with the seriousness of the situation. In 1892 we lost £67,000, including the £47,000 we carried forward, and in 1893 we lost £77,000, making a total loss for the two years of £144,000. In 1893 we produced 2760 tone of copper at a total charge for mining, smelting, carriage, freights, loss for the two years of £144,000. In 1893 we produced £760 for of copper at a total charge for mining, smelting, carriage, freighte, commission, &c., of £140,000, or over £50 a ton, or, if we deduct for increase of stocks, between £48 and £49 a ton. In 1892 our production was 3065 tons, obtained at a cost of £145,000, which represents about £47 a ton, and if we deduct for increase of stocks, would be less. In 1891 the production was 6356 tons, obtained at a total cost of about £170,000, or about £27 5s. a ton. It will be seen that the costs per ton increase tarrible, and now leave no chance of a the costs per ton increase terribly, and now leave no chance of a profit from the mines, but a very heavy loss. Bankers' interest has increased from £3200, in 1892, to £10,100, in 1893. Where is this to end, I ask you? In view of the seriousne

increased from £3200, in 1892, to £10,100, in 1895. Where is the to end, I ask you? In view of the seriousness of the situation I am going to propose, in no spirit of hostility to the board or any one, "That a committee, composed of at least three members, all being debenture holders as well as shareholders, shall be appointed to confer with the board, and report to the shareholders and debenture holders, by circular or otherwise, the result of the conference, together with any recommendations they may think desirable," I shall be obliged if any gentleman will second the proposal.

Mr. MEATES seconded Mr. Carter's motion, expressing his surprise that when the regulus was produced at so great a loss the directors should not only have maintained, but actually have increased, the production, I tseemed to him that it would have been better had the mine been shut down. He was quite willing to accept the view that the causes of the unfortunate results which had followed upon the company's operations were quite beyond the control of the directors, but he thought it would be more satisfactory if the shareholders were to have this statement from an independent committee after investigation, and upon that account he supported the motion moved by Mr. Carter. He was at the same time unable to see why a prior charge should have been created over the heads of the debenture holders without taking them into consultation.

The Charmana was the heard had no objection at all to the the debenture holders without taking them into consultation.

The CHAIRMAN said the board had no objection at all to the appointment of a committee. They had, in fact, thrown out a similar suggestion themselves. Every enquiry into the adminis-

travion of the board was invited. A Tableton the board and the ware uniformly in the interest of the shareholders. The company had given security to their agents because it was absolutely imperative to carry on the business of the observer, and no house in the world would advance money which was not covered by some security.

Mr. Douglas said it was satisfactory to know that the management under which so heavy a loss had been incurred had been changed, and he believed it was the fact that during the last six months there had been a sufficiency of profit to meet the debenture

interest for the half year. In galleting language was not delivered for the half year. In the Charman replied that this was so, and that after the payment a surplus of £7000 remained. Jenute 1000 and 1

to give the detentare stoog (a change on the spropercy and part they had none.

Mt.M. MULLINS said he was a large bondholder, and had received no information as to the preposal bestake away; the security which the bondholders had believed themselves to possess. It seemed to him that the directors should hardly have waited until the concern was in such great difficulties before making a change in the management.

was in such great difficulties before making a change in the management.

The CHAIRMAN said the present was not the first occasion on which they had interfered in the management. They could not go out to the property themselves, and when they found things were going so badly they sent out the commission, which he hoped would lead to satisfactory results. As to the cost of regules, to which reference had bean made, in May of last year it was £46 8s., the magnitude of which was due to the perturbed state of the country and the destruction of part of their works by the floods, which were the heaviest known in the country for many years. In June of the present year the cest of the regulus had been reduced to £28 2s. 6d.—(applause)—which was sufficient to show that everything possible had been done for economy, of a addition to that, the price of copper had been going steadily down until it had reached a lower point than over before in the history of the trade. The motion for the adoption of the report and accounts was then put and carried unanimously, do the contrary he was actuated by the highest respect for Mr. Matheson, who had always courteously replied to any enquiries he had cared to make. The resolution for the formation of a committee was then put and carried unanimously. Means. Carter, Mestes, and Douglas being appointed with power to add to their number.

Mr. Thompson and Colonel Austrather, the retring directors, having been re-appointed, themseting terminated with a hearty vote of thanks to the Chairman.

NEW ST. AUGUSTINE. LIMITED.

Statutory meeting of the new company.

At the first ordinary general (statutory) meeting of this company, held yesterday, at the Candon-street Hotel, the Chariman (Mr. Byron Johnson) said the business of the meeting was to elect directors, those now constituing the board only holding office till this meeting. Before proceeding with the business he would like to say something of the position and progress of the company. It was considered by the committee of enquiry necessary to drive further in the north-west direction at the 800 feet level, in which direction "bine" had always been found. The present directors, therefore, deemed it expedient to direct all their attention to this. In all diamond mines, the diamondiferous ground was found in funnels. In the case of Kimberley, it did not pay till worked at about 800 feet. They had in their favour the reports of the Government Inspectors that in the New St. Augustine Mine they had a true diamond mine. Their late manager, however, drove in quite a different direction from that to which they were directing their efforts. He (the Chairman) considered the object of the reconstruction was to develop the mine at the 800 feet level. Towards this object they had 234,583 shares, credited with 18x. 6d. taken up, which would yield over £16,000, and in addition they had the assets of the old company of the value of from £600 to £1000. The amount available, therefore, was about £17,000; and of course any further shares taken up would increase that amount. As this £17,000 was a small sum, the board had deemed it prodent to proceed with the drives at the 800 feet level without any delay. Their late manager had, however, removed the pumps; a most important part of the pump was lost in the shaft, which lost them two months, and cost £12,000. Before mining operations could be begun they had 300 feet of water to pump out. Mr. Wolf, one of the directors, who was sent out to report on the property. The engineer reported favourably on the "blue" between the 200 feet level and 400 feet level, but advised that it was useless t

Mr. McHardy moved, and Mr. Swinhon seconded, that "This meeting sees no objection to the action of Mr. Wolf, and entirely approves of the action of the board."

Mr. Giles moved as an amendment, that "The words referring to Mr. Wolf be omitted, and the motion stand—This meeting entirely approves of the action of the board."

amendment was carried. After some further discussion Mesers. Johnson, Smith, and Samuels were elected directors at the remuneration of £300, to be divided among them as they might agree.

A hearty vote of thanks to the chair concluded the proceedings

Gold Mining in Wales.—Of late we have not heard very much concerning gold mining in Wales, but from news to hand this week the industry appears to be in a flourishing condition. At the Glogan Mine they have this week cleaned up 348½ cas. for a month's run, and as the gold won is worth 24 per or, and as only 15 men are employed on the mine and the expenses do not greatly exceed £100 per month, the profit for the period mentioned must be approximately £1200, and this on a capital of £500. The Glogan has earned £10,000 in dividends during the last, two years. At Moel Ispri rich gold has been struck at a depth of 40 feet, the stone going from 12 cas. to 16 cas, per ton. Tynllwyn is on good stone, and Cefn Coch (which is the property of Professor Crookes) has had satisfactory crushings during the last few weeks, and rich stone is still on hand in the mine. The Morgan Mine is now in the hands of the British Gold Fields (Limited) a private company, consisting of Mr. Gold Fields (Limited) a private company, consisting of Mr. Pritchard-Morgan and his friends, who are doing a great deal of development work, having over 100 men engaged in mining operations. They have not commenced crushing yet, but it is understood that the prospects are good.

LEGAL INTELLIGENCE.

GOLD AND ITS RECOVERY.

A DISPUTE IN THE LAW COURTS.—CASSEL V. CYANIDE.

N Monday, before Mr. Justice Romer, the trial, Cassel Gold Extracting Company v. Cyanide Gold Recovery Company and others, was commenced. The plaintiffs urged that they were the registered owners of certain letters patent, numbered 14,174, of 1887, granted to John Stuart MacArthur, W. Forrest, 14,174, of 1887, granted to John Stuart MacArthur, W. Forrest, and William Forrest for improvements in obtaining gold and silver ores and other compounds. They alleged that the defendants had at divers times infringed the plaintiffs' letters patent by employing a process of obtaining gold and silver from ores, consisting in dissolving them out by treating the powdered ore or compound with a solution containing cyanogen, or a cyanide, or a cyanogen-yielding substance, substantially as described and claimed in the specification. The plaintiffs accordingly claimed the usual relief in a patent action. In the particulars of breaches the plaintiffs complained, in particular, of the construction and use and exhibition by the defendants of plant erected at the laboratory of R. H. Harland, F.I.C., F.C.S., Plough-court, 37, Lombard-street, for the treatment of ores for the extraction of Lombard-street, for the treatment of ores for the extraction of

gold and silver.

The defence is a denial of infringement and allegation that the plaintiffs' letters patent were not valid. The particulars of objection to the validity of the letters patent state that the alleged invention was not subject matter for a patent, in view of the state of public knowledge at the date, and having regard to prior publications. Objection was taken to several of the statements in the specifications, on the ground that they were insufficient and misleading, and the alleged invention, as claimed in the second claiming clause of the specification, was said to be insufficient and misleading, and the alleged invention, as claimed in the second claiming clause of the specification, was said to be different from that for which the patent was applied for, and was not indicated or referred to in any way in the provisional specification. The alleged invention was not new at the date of the patent, having been published in a number of publications, which the defendants relied upon as anticiptions.

Sir Richard Webster, Q.C., M.P., Mr. F. Moulton, Q.C., M.P., Mr. Bousfield, Q.C., and Mr. A. J. Walter (instructed by Messrs. Davidson and Morris) were counsel for the plaintiffs: Sir

Mr. Bousfield, Q.C., and Mr. A. J. Walter (instructed by Messrs. Davidson and Morris) were counsel for the plaintiffs; Sir Edward Clarke, Q.C., M.P., Mr. R. Noville, Q.C., M.P., and Mr. Goodeve appeared for the defendants.

Sir R. Webster, in opening the case, said that the plaintiffs were owners of a patent granted to Mr. MacArthur and Mr. Forrest for the method of extracting gold from their ore. The patent had been put in practice, particularly in South Africa, during the life of the patent (which only ran from the year 1887) to a very large extent. Between 600,000 ounces and 700,000 ounces of gold had been successfully extracted by this process, having a value of £2,500,000 in money, and royalties had been paid to the extent of £117,000 in connection with the process. paid to the extent of £117,000 in connection with the proces There had been a variety of methods of extracting gold, chemic and mechanical; but prior to this patent there was no method of extracting the residum of gold from the tailings or washings of gold ore. The anticipations set up by the defendants extended back for a great many years; but with reference to the character of these anticipations, and with reference to the suggestion that the existing knowledge was such as to prevent the plaintiffs from disclosing subject matter, according to his instructions nothing had been added to the useful public knowledge in this matter since a statement by Professor Faraday in 1857. The learned counsel then dealt with the specification, the claim in which is substantially in the form of the relief claimed. The first claim, the said, was for the use of cyanogen in the way described, and the second for a particular proportion of the cyanogen in the dilute solution. He said there was no dispute as to what the defendants had done; the sole dispute was as to the doduction that the defendants had done; the sole dispute was as to the doduction. the defendants had done; the sole dispute was as to the doduction from those facts. The defendants had erected an experimental laboratory. They advertised for persons to come and have their ores tested by the Pielsticker process, Pielsticker being a gentleman who had purported to invent the infringing process. The defendants permitted his clients to inspect what was being done at the laboratory of Mr. Harland. The suggestion was that they were not working to obtain gold by the dissolving action of the cyanide of potassium, but by electrical action, which had the effect of extracting the gold from the ore electrically, and not by the process Messrs. Forrest and MacArthur had described. The plaintiffs case would be that electricity did not add any-The plaintiffs' case would be that electricity did not add anything to the dissolving power of the cyanide of potassium; in other words, that the gold which was extracted was in the defendants' process got out by the dissolving action of the dilute solution in exactly the same way as in the plaintiffs'

patent.
Evidence was then called in support of the plaintiffs' case.
Professor James Dewar described the operation of the plaintiffs' and defendants' patents as he understood them, and the use that had been made of cyanide of potassium as a means of extracting gold. Before this patent it had never been used for commercial purposes. The instructions in the plaintiffs' patent were sufficient to enable persons to use this process, which worked admirably in the laboratory, and had been an enormous success in the commercial world. Witness had seen the Pielsticker process, and gave it as his opinion that the separation of the gold from its ore was there brought about by the solution of cyanide of potassium.

the solution of cyanide of potassium.

Cross-examined by Sir Edward Clarke, Witness said that heat was used in many of the previous methods. The ore in Rae's specification dated 1867 was placed in cyanide of potassium solution and treated electrically. There was nothing in common between Rae's method and that of the defendants. Pressed as to this, witness admitted that in each case the ore was placed in a solution of potassium, and in each case the electric current passed through the ore and through the solution.

Sir Edward Clarks: I now take you to the specification of Sanders, 1881. He says: "I have found that a mixture of cyanide of potassium and phosphoric acid, in about the proportions hereinafter mentioned, constitutes a powerful solvent for

coatings of gold ore."

WITNESS: That is an American publication. It was suggested that Sanders' specification would lead people to the use of cyanide of potassium to dissolve gold, but witness averred that it would lead people away from the object of the plaintiffs' patent.

plaintiff' patent.

Professor Romers-Austen, F.R.S., and chemist of the Royal
Mint, &c., said he was well acquainted with the various processes
for the production of gold from its ores. In 1887 he had nover
heard of the production of gold from its ores by means of cyanide
of potassium. He had no reason whatever to suppose that
cyanide of potassium would be affected. In 1887, if anybody had
suggested the treatment of powdered ore with a solution of
containing he would have thought the action would not be affected. suggested the treatment of powdered ore with a solution of potassium, he would have thought the action would not be efficacious. Nothing in the particulars or objection threw any light on the subject. Before 1887 the great bulk of gold was

extracted by the ama'gamation process. Almost any ore might be treated by that process. Another method was the chlorine process, which was conducted in vessels not unlike those before the Court. A still further method was that of smalting with lead. The lowest grades of ore might, to a certain extent, have been treated by the chlorine process; but the cyanide process was the first that was really effectual.

The Winness then corroborated the evidence of Professor Dewar in chief as to the alleged anticipating specifications. With regard to Simpson's patent, he had made certain experiments on a small scale, and found that the carbonate of ammonia tended to break up the cyanide.

Cross-examined by Mr. Neville, Winness said he knew that there was such a work as "Chemistry applied to Arts." In that book it was stated that Faraday found that ordinary gold leaf might be raduced in thickness without destroying it by means of a solution of cyanide of potassium, and that "cyanide of potassium is employed in the reduction of rarer metals from their ores."

heir ores.

From Faraday onwards all the books have referred to the solubility of gold in syanide of potassium?—That is a matter of sommon knowledge, following Faraday.

The solution acts on the surface of the gold?—Yes.

Then it would necessarily act in the case of gold finely ivided?—Yes.

divided?—Yes.

At the date of the patent the system of obtaining the ore from the solution was known?—It was.

So that the method of extracting the gold from ore was known at the date of the patent, and the fact that cyanide of potassium was a solvent of gold was known?—Certainly.

You have to get the gold out of solution?—Yes.

The patent is concerned solely with getting the gold into solution?—Yes.

olution ?-Yes.

And you may use any known method of getting it out gain?—Certainly.

In all those commercial processes the real question is the

In all these commercial processes the real question is the question of cost?—It is.

Was there a single process in existence then by which you did not either lose a large proportion of your gold in solution, or destroy the solution itself?—None which could be used as efficaciously as the plaintiffs' patent; but there were methods.

Which was the best known method?—By running the solution over zinc in a more or less finely-divided state.

Is not the plaintiffs other patent for that very thing you have described?—Yes.

have described?—Yes,
Mr. Neville; That patent is a year later.
Witness went on to say that at the date of the plaintiffs' patent there were undoubtedly difficulties in getting the gold out of solution, and, in answer to the learned Judge, admitted that Rae's patent got a solution for gold, and that Rae would have completed the problem if he had found a proper method a vertracting that gold from the solution. Rae, however, of extracting that gold from the solution. Rae, however, thought that electricity would answer. Plaintiffs' patent was for all ores. Agitation was used by plaintiffs' method. He had not tried Simpson's process. That was an American patent published in England. Acid was a deterrent to the action of published in England. Acid was a deterrent to the action of the cyanide, and an alkali was necessary to counteract the acid. In that respect Simpson's solution would be more efficacious than the plaintiffs'; but that was not Simpson's object. Carbonate of ammonia would be a disadvantage, as it would decompose the cyanide. Simpson's solution, he believed, would dissolve the gold in the ore.

dissolve the gold in the ore.

In re-examination by Mr. Bousfield, Wirnass said that he used cyanide as a reducer. The attenuated gold spoken of by Faraday was less than 1-3000th of an inch. Ruby gold was smaller. He had never heard of Rae's process being practically worked; but it would effect the solution of gold. Rae's method did not disclose any more than was known in electro-plating. Simpson's did not disclose that cyanide of potassium would disclose did not disclose that cyanide of potassium would disclose the control of the control o

Lord KELVIN, examined by Sir R. Webster, said that he had commined the Pielsticker process. In the plan shown to him, the anodes and cathodes were at a certain point, and these had an electric current of less than two volts. The electricity thus produced would retard the action of solution. He had not experimented on this particular bath, but would expect to find the deposit on the cathode. Shown a trough on which he had experimented, he explained that he made the experiment to acceptain the effect of electricity in precipitating. experimented, he explained that he made the experiment to ascertain the effect of electricity in precipitating. A retarding effect was the result of the experiment. He also explained another experiment with an electric wire. Taken to the plaintiffs' plan, he explained that with the cyanide of potassium used with the anode and cathode, the anode having the gold, the gold would by the solution, be deposited on the cathode. By Rao's process the electricity retarded the action. Asked as to the effect of the solution according to strength, he corroborated the evidence of Professor Dewar and Professor Roberta-Austen as to the greater effect of the weaker solution. In Faraday's disclosures with regard to gold leaf, the relation of area to mass was of great importance. Faraday's specification would not lead anybody to the practical process of dissolving gold out of ore by that solution. Nobody could prodicate that the dissolving action would be such as to be of any use.

Mr. Edward James Mills, F.R.S., and professor of technical chemistry in the Glasgow and West of Scotland Technical College, said that the specifications alleged to be anticipations.

College, said that the specifications alleged to be anticipations did not disclose the use of cyanide of potassium for the extraction of gold from its ore. The remainder of the witness's evidence was in agreement with that given by the previous

In cross-examination he admitted that the result of efficient for dissolving the gold in the ore. With regard to Simpson's patent, he thought that cyanide of potassium and carbonate of ammonia were linked together to form a solvent. He was present at the experiments made in the case, but they never took the defendants actual apparatus for the purpose. In cross-examination he admitted that Rae's

Mr. JUNITIOE ROMER said that the sole question was whether the electricity going through the defendants' apparatus did have n, and ask try that.

WITNESS said that their experiments were conducted in a simple and trustworthy form, and there was nothing in the apparatus used which would vitiate the results.

apparatus used which would vitiate the results.

Mr. ROBERT TATLOCK, F.R.S. and F.I.C., said that he was the public analyst for Glasgow. Witness was the author of the article on "Cyanide of Potassium," relied on in the particulars of objection, which said that "nearly all the cyanide of potassium made is used in electro-gilding, &c. It is also applied in the reduction of some of the rarer metals from their orce." That referred to the dry process, and not in any way to the wet pro-cess. The witness then corroborated previous witnesses as to the results of experiments and as to cyanide of potassium being the effective agents in both the plaintiffs' and defendants' methods of extraction

Dr. George Gore, F.R.S., &c., said he never knew gold dis-solved directly in cyanide of potassium for the purpose of form-ing a solution. Electricity was used in connection with electro-

Cross-examined: Rae's and the defendants' proce

alike successful in dissolving the gold in the ore.

Sir Hexex Roscoz said that the plaintiffs' process had rendered the economical extraction of gold from tailings possible.

In the alleged anticipating specifications there was no case in which the cyanide of potassium alone was used for the purposes

of extraction.

Mr. Louis Janin gave evidence to prove the inefficacy of Rae's patent. Simpson was his uncle.

Cross-examined by Mr. Neville, Witness said that Simpson's system did not succeed in bringing gold into solution. He knew at the date of Rae's patent that the solution of cy nide of potassium was effective for the purpose of getting gold in solution; but it was a special knowledge. The solvency of gold was generally known years before, but not of gold in ore. In 1840 Elkington used cyanide of potassium.

Professor Crookes gave evidence to the same effect as previous chemical witnesses.

Cross-examined by Sir Edward Clarke: The discovery of

Cross-examined by Sir EDWARD CLARKE: The discovery of MacArthur and Forrest was that what was known to scientific men (namely, that a solution of cyanide of potassium would melt gold) was enlarged to apply to gold-bearing ores practically. The merit of the plaintiffs' invention was the application of a scientific fact to practical use, showing that what was known in the laboratory, and had only been done on a small scale, could be applied on a large scale, and practically, to gold-bearing ores. In his opinion, it was a patent to cover every solution of cyanide for the treatment of every kind of ore. Without modifications it could not be so well applied to gold ore where there was much copper. Cross-examined by Sir EDWARD CLARKE: The discover

where there was much copper.

Mr. John Stewart MacArthur, F.I.C., &c., one of the Mr. John Stewart Macarine, F.I.C., &c., one of the patentees, said that in 1886 he began the chain of experiments which ied up to this patent. Before he experimented he had no knowledge that the cyanide of potassium could be practically used to extract gold from ore. Persons would not, he believed, have been led to that by the alleged anticipations. There was no known practical means of extracting the gold from tailings which were, comparatively speaking, poor in gold. At that time the residual gold was going to waste. By their method ore containing 3 dwts. of gold, or one part in 200,000, could be profitably worked. Witness then detailed the various experiments made before the taking out of the patent. Until his experiments he had no knowledge that cyanide of potassium would dissolve the gold in ore. He agreed with the other scientific witnesses that it was the fact that a dilute solution had a selective action, having verified that fact in the course of his experiments. He understood Rae's process to be a simultaneous distive action, having verified that fact in the course of his experiments. He understood Rae's process to be a simultaneous dissolving and depositing process. It was within his knowledge that Rae's patent was unworkable, and, in his opinion, nobody would have been led to the dissolving of gold by cyanide of potassium by Rae without the use of electricity. Taken to Pielsticker's process, witness said that he went to Mr. Harland's place of business and saw the defendants' apparatus. He had experimented to see whether the electric current had any effect in dissolving the gold in the ore, and found no beneficial effect. His results showed that the dissolution of the gold out of the His results showed that the dissolution of the gold out of the ore was not assisted by the electricity. On some ores his pro-cess would operate better than on others; but it was applicable

Cross-examined by Sir Edward Clarke: The conclusion that the electricity had no effect was arrived at from the fact that there was as much gold left when electricity was not used as

when it was.

Mr. George MacCulloch, Chairman of the African Gold Recovery Company, which has the rights of the plaintiff company in that country, said that up to the time of the introduction of the cyanide process the tailings were wasted, it being impossible to work them profitably. At present there was some gold in the tailings which could not be dealt with. He should say that about one-half of the present production would not exist but for the introduction of the cyanide process, but for the cyanide process mines averaging less than 9 dwts. per ton would not be profitable properties. From March, 1891, to April, 1894, the total production of gold by this process was upwards of 681,000 ounces.

This was the plaintiffs' case Sir EDWARD CLARKE submitted that the plaintiffs had made out no case. The claim was for any solution containing cyano-gen, or cyanides, or any other solution containing or holding on. That was the largest claim that could possibly be It was admitted that for years it had been well known that an aqueous solution containing cyanogen had the property of dissolving gold. Under these circumstances he submitted of dissolving gold. Under these circumstances he submitted that there was no subject matter of invention at all. For a person to say: "I take a patent by which I, as against all the world, claim to myself the exclusive right of extracting gold from its ore with a solution of any strength in respect of gold, however contained in ore, or however situated, and I claim to prevent the world from using solution containing cyanogen," was bad. He submitted that there was no subject matter of a patent and no invention. To obtain a patent there must be novelty and the application of ingenuity in order to produce the result which was to be obtained. What order to produce the result which was to be obtained. What novelty and what ingenuity could it be suggested there was in this? There was no novelty. The properties of cyanogen had been known for half a century. There was no ingenuity, unless it were that ingenuity which consisted in trying solutions of different strengths, and then claiming them all. How could a patent be good which claimed cyanogen in combination with

Mr. JUSTICE ROMEE intimated that he was with the defendants on several points; but would not determine the case without hearing the evidence.

Evidence was thereupon called for the defence. Mr. Claude Vautn, 42, Old Broad Street, examined by Mr. Noville, said that he had been analytical chemist for over 20 years, Mr. CLAUBE vacus, and Mr. CLAUBE vacus, and had applied himself to the study of gold. 16 years ago he knew of the solution of gold by cyanide of potassium. It should have been known to persons engaged in metallurgical chemistry in 1887 that the cyanide of potassium dissolved gold in a state of fine division. In 1855 he was in Melbourne, and was then acquainted with Sanders's patent. He carried out experiments on the lines of the patent. A number of patents ments on the lines of the patent. A number of patents was tested, and Sanders's was thought to be an extraordinary was tested, and Sanders's was thought to be an extraordinary one—the extraordinary thing was that Sanders should use an acid which would dissolve gold. He became acquainted with Simpson's patent in 1887. It had been published in text-books, including one by Pixley. Witness gave the results of some experiments with cyanide of ammonium and cyanide of potassium, and said that he found that that mixture acted on natural gold quicker than the plaintiffs'. He put in no carbonate of ammonia, Witness said that it was correct that he had made experiment with cyanide of ammonium with cyanide of potassium, and the combination was more rapid in its action on gold than when the ammonium was absent. One reason that induced him to believe that the other products of carbonate of ammonia, as specified by that the other products of carbonate of ammonia, as specified by Simpson, would not be deterrent to the operation of the cyanide of potassium was that potassium carbonate in a solution of and magnesis was a benefit, because it was an alkali was present. He had made two experiments before where acid was present. He had made two experiments before this case was heard with finely-divided gold. He used 5 per cent. of potassium, and he found there was hardly any difference in the amount of gold dissolved. He agreed with Sir Henry Rescee that with cyanide of ammonia and car-bonate of potassium there would be other products of various

natures. There was a number of actions occurring; but they would not affect the solution to any considerable extent. In his opinion, the solution specified by Simpson remained uninjured for several days—at least, three—quite long enough for the practical treatment of ores. Cyanide of potassium was not a staple body, but it would not change colour in the way Simpson's mixture did. Taken to the price of cyanide, he said, the chemically pure in the year 1880 would be 8s. or 10s. per pound; it was 11s. in 1887. The commercial kind was, perhaps, 1s. 6d. The chemically pure would not be useful for extracting gold from ores.

In answer to his LORDSHIP, WITNESS said that carbonate of

ammonia was cheap.

Examination continued: He had dealt with, or seen dealt with, thousands of tons of ore. Witness then went on to describe experiments he had made with two beakers, into each of which a solution of 7 per cent. of cyanide of potassium and some water were put. In one beaker a piece of gold leaf was suspended between two pieces of muslin, the same as in the other. In one beaker he introduced an electric current, and suspended between two pieces of muslin, the same as in the other. In one beaker he introduced an electric current, and passed it from the anode to the cathode. The time was taken, and the gold leaf with the current broke up and became disintegrated five times quicker than in the other. Faraday's method was followed, and there was no possibility of connection between the anode and the gold leaf. He found that Faraday's principle was perfectly correct. The gold leaf submitted to the electro was broken up, and it rapidly dissolved in the muslin bag. In another experiment the result was that the gold was not found on the eathode. He believed that if Rae's directions were carried out they would dissolve suitable ores. He had no hesitation in saying that gold would go into solution by that process. That would take place if the electric part were operative or not. if the electric part were operative or not.
In 1887 was there any known method of extracting gold in

vanide of potassium without the destruction of the solution my knowledge, there was no practical way of getting

Mr. R. H. Harland, F.C.S., public analyst, &c., said that he had conducted experiments in respect to the process of the defendants. The object of these was to ascertain the difference in the gold dissolved in ore when electricity was used in tank in the gold dissolved in ore when electricity was used in tank "A" and when it was not. He began experimenting with 2 lbs. of ore, and increased it to 4 lbs., and then to 25 lbs. He assayed the ore he used before it had been through the process and afterwards. Where the electrical current was present the amount of gold extracted was 83.4 per cent., and in the case without the current 73.6 per cent.—a difference, roughly, of 10 per cent. in favour of the employment of the current. His last experiments have hetter results than the former. In the course of his exgave better results than the former. In the course of his experiments he used the defendants' apparatus. The electrodes were of full size. With regard to the selective operation of cyanide of potassium, witness said that the operation began on the baser metals at the same time as on the gold

ne baser metals at the same time as on the gold,
Mr. Riley, F.C.S., F.I.C., said that it had been known for many years that cyanide of potassium would dissolve gold. It required no inventive faculty to know that cyanide of potassium was a solvent which would operate upon gold ore; it was simply the application of a well known chemical solvent under special conditions. It was common knowledge in 1877 that cyanide of potassium was available for the solution of gold and silver ores. It was so used by Mr. Richard Smith in the School of Mines. It was so used by Mr. Richard Smith in the School of Mines. Rae's process would be operative for the purpose of dissolving the gold if the gold were in a fine state of division. Simpson's also would be efficient.

In cross-examination, WITNESS said that prior to the plaintiffs'

patent the knowledge that cyanide of potassium could be prac-tically used to extract gold from ore was scattered through all the chemical books.

Mr. Justice ROMER: Do you think that in 1887 any chemist would have doubted that if he had applied a solution of cyanide of potassium to crushed ore it would have dissolved the fine gold and fine silver?—It would if the gold were in a sufficiently

I am taking crushed ore containing fine gold and silver, and my question is, Would any chemist in the beginning of 1887 have felt any doubt that a solution of cyanide of potassium would have dissolved that gold and silver?—I should have had no doubt myself.

Do you think it would have required experiment to find that it?—I think it was generally known.

Was that within a practical limit of time?-Oh yes; it would

Was that within a practical limit of time?—Oh yes; it would dissolve it rapidly.

Mr. JAMES MOTEER, F.I.C., of Edinburgh, said that in 1887 the fact that the cyanide of potassium would dissolve gold and silver was well known. There was no invention in the application of that knowledge to gold ore. Witness was present at the experiments of the defendants, the result of which, he said, was that the gold was dissolved more rapidly when electricity was used. Rae's process would be effective for getting reald into solution, but it was impossible that it could electricity was used. Rae's process would be electricity for getting gold into solution, but it was impossible that it could be a financial success because of the difficulty of getting the gold out of solution. Cyanide of potassium had been reduced in price from 17s. per lb. to 1s. per lb. Cross-examined by Mr. MOULTON, WITNESS said that Faraday disclosed as much as any of the extracts relied upon in the particulars of chiestion, but in chemical literature there were more

ticulars of objection, but in chemical literature there were more specific references to the solubility of gold in cyanide of potassium than those which the defendants relied upon. In 1885 the price of the cyanide of potassium he would use for this process would have been 2s. 6d. per pound. He considered that the electrical pressure and current with which Lord Kelvin worked was too small to produce any electrical result. In 1887 the process of the could be relied to the coul cess of getting the gold out of cyanide by zinc was not practicable—that was to say, only some of it could be got out. Witness had never tried the Pielsticker process.

[The case was not concluded at the time of going to Press.]

Some three months ago we announced the departure of Mr. E. Henry Davies, M.E., F.G.S., on a tour of professional inspection, to the United States. Our readers will now be interested to know that Mr. Davies has returned safely from his wanderings among the mines of California, Colorado, and North Carolina. He arrived in London on Monday last, and gave an early call at the offices of The Mining Journal. Many of our readers are personally accounted with Mr. Davies and all of readers are personally acquainted with Mr. Davies, and all of them know him not only through his frequent and valued contributions to the Journal, but also from his works on mining, which are accepted as standards on the subject on both sides of the Atlantic, and will join with us in welcoming him home

ANARCHIST ATROCITIES are becoming more numerous every day, and the indignation of every honest person is roused. These wicked and foolish men fancy they can remove trouble and abuses of our social system by deeds of visiance! What a mad ides! One might as well expect to cure our bodily like in the same way. Rut if we are troubled by any bodily complaint, what dotwed of P why we choove mild and gentle methods to put ourselves right. We turn to Holloway's Pills and Ointment, and we find relief. There is me anarchial teresity about their methods, and what is the consequence? Simply this, they never rail, they never miss their mark. Sickness and misery fly out of the window, and bright, obsery health comes in at the door.

Issue of 10,000 £1 Ten per Cent. Preference Shares at par.

N.B.—The Queen's Birthday Registered Local Company has raised over £600,000 in gold, and paid to its shareholders £250,000 in dividends, the £2 shares having been sold at one time at over £34

THE QUEEN'S BIRTHDAY UNITED GOLD MINES. LIMITED,

Amalgamation of the Queen's, North, and King's Birthday, and the Belgium and Perseverance Mines of Dunolly, Victoria, Australia. Area of united properties, 235 acres 25 perches, with claims along the lines of reefs of 13,305 feet—over 2½ miles—in extent.

> A. J. ATKEY, Esq. G. STANLEY HEFFER, Esq. Dr. G. Y. HUNTER. HENRY G. MALCHOLM, Esq. R. A. SMITH, Esq.

BANKERS,-Afesers, Brown, Janson, and Co., 32, Abchurch Lane, E.C. SECRETARY AND OFFICES.—London: Mr. J. H. S. Thomson, 7 and 8, Great Winchester Street, E.C.

THE QUEEN'S BIRTHDAY UNITED GOLD MINES,
LIMITED,
The Directors of this Company have decided upon offering for Subscription
at par:—

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Payable—2s. 6d. per £1 Share on Application.
7s. 6d. per £1. Share on Application.
10s. 0d. p. Allotment.
10s. 0d. p. on or before October 1.

These Shares will rank pars passu for all dividends with the 5000 Preference Shares aready issued and alloted, and are entitled, after 10 per cent, has been paid on the Ordinary Shares, to 50 per cent, of all dividends actually declared by the Company.

Priority of application will entitle to allotment.

The present capital of the Company is £150,000, divided into 75,000 £1 Ordinary Shares and £75,000 £1 Ton per Cent. Preference Shares.

In the opinion of the Directors, a few months will suffice for the necessary developments completely establishing the Company's success. From advices by cable under date the 5th inst., regular crushings have already been commenced at the mines, and the cablegram received the 19th inst. shows the ore being treated will return a handsome profit. The cost of mining and milling to the Company may be taken at from 3 dwts, to 4 dwts, per ton. An average yield of ½ or. gold per ton will, it is estimated, return 30 to 40 per cent, dividends to shareholders.

The mechanicary and plant at present existing upon the Company's properties.

shareholders.

The machinery and plant at present existing upon the Company's properties consist of four mills with a complement of 37 head of stamps, and are capable of treating 50,000 tons of quartz per annum.

Forms of Application for the £1 fren per Cent. Preference Shares can be obtained from the Company's Bankers. Messrs. Brown, Janson, and Co., 32, Abchurch Lane, London, E.C., or of the Secretary, at the Offices of the Company, 7 and 8, Great Winchester-street, London, E.C., together with copy of original Prospectus, Annual Report and Balance-Sheet, and Map of the Mines.

By order of the Roard. By order of the Board,

J. H. S. THOMSON, Secretary,

7 and 8, Great Winchester-street, London, E.C., July 26, 1894.

THE QUEEN'S BIRTHDAY UNITED GOLD MINES

LIMITED.

The following cables have been received from Mr. W. T. Hansford, the Company's Local Secretary:

The following cables have been received from Mr. W. T. Hansford, the Company's Local Secretary:—
Cablegram.—"Dunolly, July 19, 1894.—Queen's Birthday Mine, Central Shaft.—Have struck reef at a depth of 330 feat very good."
Cablegram.—"Dunolly, July 19, 1894:—We have crushed 100 Centre Shaft.
300 feet level: yield 25 cunces gold: and 100 tons from 4.0 feet level for a yield of 70 cances gold. The developments of the mine fully justify the expectations which have been formed."
N.S.—The Directors are also expecting advice of a crushing of rich stone from the Belgium Reef (assay 2 cances gold per ton), and have received advice by mail of a visit of inspection paid to the Company's property in June last by the Minister and Secretary of Mines of the Colony of Victoria, who expressed themselves very gratified and impressed with the Company's future prospects and the magnitude of the mines and works.

REVIEWS.

TRAVELLING IN IMAGINATION.

Mountain, Moor, and Lock. Illustrated by Pen and Pencil, on the route of the West Highland Railway. (London: Sir

On the route of the west ringmand realway. (London: Sir Joseph Causton and Sons.)

Since this artistic and readable book made its appearance, we have reason to know that it has been well received and has found favour with a wast number of the travelling and reading public. Through whatever streets one may walk, or into whatever streets one may walk. public. Through whatever streets one may walk, or into whatever bookseller's shep one may curiously gaze, we are bound to see a large number of these books placed in a most prominent position, testifying to the demand for the work that has already set in. With it we are ourselves eminently pleased. Being well-written and profusely illustrated, it is as interesting as a novel and certainly is invaluable as a holiday companion. Whilst reading it one can easily imagine oneself journeying in imagination through the scenes described therein, and whilst enjoying the beauty of the sea-side, can, at the same time, gaze with rapture upon the sublime and charming pictures of Scottish "mountain, moor, and loch." As we have said, it appeals to more than one section of the community, nor will it appeal in vain. We unhesitatingly recommend it. We unhesitatingly recommend it.

ANOTHER TRADE INDEX.

Ryland's Hardware. A Complete Directory of Midland Manufacturers, 1894.

Manufacturers, 1894.

Ryland's many and various directories have been so long before the world, and so long appreciated, that a further and much-needed one is sure to find speedy and general acceptance. The volume before us is offered as a complete guide to the great Midland hardware district, which comprises North and South Staffordshire, Warwickshire, and Worcestershire, and on looking through its numerous pages we find that the information could not be presented in a handier form, nor be improved upon in the matter of quantity. It possesses many novel features, which enhance its value. Such, for instance, is a geographical arrangeenhance its value. Such, for instance, is a geographical arrangement of manufactures, with its alphabetical index. We have no doubt this work will be received with favour equal to that accorded to the other directories published by this firm,

THE IMPERIAL INSTITUTE YEAR BOOK, 1894.

Since the publication of the first issue of this Year Book in the year 1892, it has naturally increased in bulk and importance in each succeeding issue. The volume for 1894 is naturally more full of valuable information than the preceding ones. Its method, scope, and object are by this time too well-known to need reiteration. It is, of course, a compilation of the natural resources and trade of the Colonial and Indian sections of our Empire, and, undoubtedly, as a single volume, it is the most valuable published.

WENTWORTH GOLD FIELDS PROPRIETARY. - The following cablegram has been received from the mines:—"Dur-ing the past four weeks we have crushed 770 tons of ore, yielding 930 ounces gold. The new main shaft is down 795 feet. A change for the better has taken place at the 500 feet level of the Phoenix underlie shaft. In the winze on the Phoenix No. 2 vein 400 feet level appearances are favourable for atriking the main Phoenix vein.

C. PASS AND SON, BRISTOL,

LEAD ASHES, SULPHATE OF LEAD, LEAD SLAGS, ANTIMONIAL LEAD, COPPER MATTE, TIN ASHES, &c. and DROSS or OBES containing

TIN, COPPER, LEAD, AND ANTIMONY.

HENRY WIGGIN & CO. (Limited), NICKEL AND COBALT REFINERS MAKERS OF BEST RED LEAD FOR FLINT GLASS MANUFACTURERS, BIRMINGHAM.

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IRWIN C. STUMP (Chairman), Manager of the Estate of the late

U.S. Senator Hearst.
IRVING M. SCOTT, Manager Union Iron Works.
JACOB H. NEFF, President California Minere' Association. P. N. LILIENTHAL, Manager Anglo-California Bank (Limited).
W. F. GUAD, Vice-President, Wells, Fargo, and Co.
D. M. BURNS, Capitalist.

R. C. CHAMBERS, Manager Ontario Mine, Utah.
WILLIAM C. RALSTON, Secretary (Secretary California Miners Association).

BANKERS—The ANGLO-CALIFORNIAN BANK (Limited).

HEAD OFFICE — MILLS BUILDING, SAN FRANCISCO, CAL.

THIS COMPANY sells Mines, Mining Claims, Ditch Properties, and Water Rights ON COMMISSION, and will act as Agent and Broker for the Sale and Purchase of such Properties. It is intended to conduct the Purchase and Sale of Mining Claims, Ditch Properties, and Water Rights on the same basis as a real estate

The Company is prohibited by its Articles of Incorporation from buying or selling on its own behalf, or except upon commission, or as agent or factor for others.

as agent or factor for others.

The buyer pays no fees whatever, and there is no incentive to advance the price beyond the original figures at which the price and commission have been agreed upon with the seller.

It is not intended only to negotiate the sale of an entire property but

It is not intended only to negotiate the sale of an entire property but interests in such may be sold or money obtained for development work. This Company especially solicits the business of making reports or examinations for non-resident mine owners on any of their mines in the United States, and obtaining special information as to their condition and so forth (said reports being confidential).

Those who conduct the business of the Company have had long experience in mining operations, and it is their intention to place the Company in a position to inspire the confidence of all who seek its assistance in its integrity and fair dealing.

We respectfully refer to any Bank in the City of San Francisco and to the Anglo-Californian Bank (Limited), London, as to the standing of the Board of Directors of this Company.

Descriptions of properties for sale with maps, reports and all necessary information, are left on file in the office of the Company.

Abstracts of such reports with prices of mines will be furnished pon application.

Abstracts of such reports with producing pon application.

California has produced £267,000,000 in gold, and is still producing £2,680,000 a year. There are thousands of claims requiring capital for development. In other Pacific Coast States and Territories there are abundant opportunities for investment in mines of gold, silver, copper, lead, coal, and so forth. Information concerning these will copper, lead, coal, and so forth. Information concerning these will

copper, lead, coal, and so forth. Information concerning these will be furnished by this Company on application.

This Company will also furnish competent engineers, superintendents, foremen, miners, millmen, assayers and others connected with the mining industry on application, furnishing their references and so forth.—Cable Address, "CHAPIN," San Francisco.

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LOCOMOTIVES.—One good second-hand Saddle Tank Loco

LOCOMOTIVES.—One good second-hand Saddle Tank Loco.
six wheels coupled, ready for instant work, and cheap for cash or
three years' perchase-lesse. 14 inch cylinders, by Avonside Engine
Company, now at Cardiff.

RAILS.—Bridge, 14 to 120 lbs. per yard; Flange, 10 to 100 lbs. per yard; Double Head, 30 to 82 lbs. per yard; and Bull Head, 50 to 96 lbs. per yard.

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PORTABLE RAILWAY.—£11 per 100 Yards of Railway (Steel Rails and Iron Sleepers), complete. 3-TON CRANE .- Nearly new, on trolley; 4 feet 81 inch

EARTH WAGONS .- 75 side tipping 30-inch gauge steel

BRICKS.-Fire and building bricks.

Just published, Crown 8vo., 2s. 6d, cloth (post free). CONCILIATION and ARBITRATION: In Labour Disputes. A Historical Sketch and Brief Statement of the Present Position of the Question at Home and Abroad. By J. S. Jeans, M.B.I., late Secretary to the Iron and Steel Institute.

"Mr. Jeans is well qualified to write on the subject, both by his previous books and by his practical experience as an arbitrator. It seems to be a valuable handbook."—The Times.

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"The author, who has made a special study of the question, has written an interesting book, which is certainly issued at a very opportune moment."—Mining Journal.

opportune moment."—Mining Journas.
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ADVERTISEMENTS (which should in all cases be sent direct to THE MANAGER can now be received for the forthcoming issue of THE MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE, on FRIDAY, at 18, FROM LANS, E.C., up till 6 p.m., and at 3, DORSET BUILDINGS, SALISBURY SQUARE, E.C., until 9 p.m.

THE MINING JOURNAL, is neither controlled, nor is any interest in it held or exercised, by any mine owner, speculator or syndicate, and it is in no way connected with any share dealing agency. The position occupied and the views expressed by it are alike abcolutely independent

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LONDON: JULY 28, 1894

NEW ENTERPRISE IN GOLD MINING.

THE movement of money, which is a natural consequence of the steady rise now proceeding in "gilt-edged" securities of all kinds, will almost certainly tend largely in the is sure to turn to gold, which has never provided so attractive an opening for capital as at the present moment. The extraordinary growth of the Witwatersrand fields, where the remuas 4 dwts. to the ton. It is certainly a remarkable instance of at large. We have, however, been privileged to receive recently

the technical advances which have been made in gold mining on the Witwatersrand that with the recent continued increases of dividends-a splendid list of which has been declared for the past half-year—the average richness of the ore crushed is less by dwt. than what it was formerly. All the same, British capital seems rather inclined to let these results stimulate it to similar enterprise further afield than to encourage it to new undertakings in South Africa. It is no doubt true, as has been said, that the measure of the Witwatersrand gold output is simply the amount of capital placed at the disposal of the local managers, but all the same there is no immediate probability of a "boom" in South African mines. The financing of mineral properties in that part of the world has got pretty well into the hands of certain groups of big financiers, including the Roths-CHILDS, and the little capitalist, the ordinary speculator on the mining market, hardly feels strong enough to intrude upon their domain. Thus, we hear that nearly all the promising claims on the West Rand have been lately snapped up by the Hon. Cront RHODES and one or two operators upon a huge scale, and the deep levels have been almost entirely monopolised by syndicates of great power and influence. The same thing applies to properties in Matabeleland, and it is only in some of the outlying districts of the Transvaal, where the ore is very low grade indeed, that the outside capitalist has a chance of participating. This is hardly the state of things which tempts British speculation, and it explains why Rand shares, though they are so produce after all such a small volume of actual transactions in England. In fact, an increasing market is being found for them on the Continent, where the investor, happily for himself, is not subject to the sort of superstition which seems to prevail in England in favour of mining as a pure speculation. In other parts of the world there is, however, considerable prospect of a heavy increase in gold mining enterprise. Our readers are pretty well informed upon the prospects of mining in Western Australia, and the progress being made out there is, on the whole, distinctly encouraging. The latest reports have told, if anything, too flattering a tale, and we would warn our readers not to lay too much importance upon the discovery of alluvial gold. So far, the milling power of the Western Australian gold fields is inconsiderable, and it is clear that the great prospect of the fields will lie in a repetition of the Transvaal triumphs in the successful treatment of low grade ore. It must not be forgotten that in spite of the terrible depression in the trade of the United States a good deal of renewed activity has lately been shown in the auriferous industry of that country. Last year the American production of gold was three million dollars in excess of that returned for 1892. This figure is certain to be very largely exceeded when the new enterprises now being put in hand are in full working order. Some capitalists are spending a considerable amount of money in prospecting for gold in New Mexico, where the existence of vast auriferous deposits has long been unquestioned. According to one well known scientist, who made a thorough examination of the country, the value of gold in placers alone may be estimated at a hundred millions sterling, and this does not take into account the auriferous quartz which is supposed to follow the great mountain range right through the territory. Even after allowing for the exaggeration which seems to be unavoidable in any estimate of a country's auriferous resources, it is certain that in the neighbourhood of Santa Fé there are sufficient deposits to justify the carrying on of operations upon a very large scale, and at the present moment there is an enormous influx of miners into the district, reminding one of the rush which took place in 1879. A similar "boom" is being experienced in the Guianas, where enormous supplies of gold have been found on the right bank of the Oyapock. As the ownership of the territory is in dispute, it is practically a No Man's Land, upon which everyone has the right to carry on operations as they may think fit. The amount of gold picked up by individual miners has been in excess of that found upon any other gold field, and if only facilities were offered for the systematic treatment of the metal, the new deposits lying between French Guiana and Brazil would become exceedingly prelific. These, and many other discoveries that are being made in different parts of the world, are the direct outcome of the necessity which is becoming increasingly urgent of an active enterprise in gold mining, and when capitalists begin to invest their money more largely in this direction it is likely that many of the disabilities from which industry and commerce are now suffering will be removed. In any event, there seems to be abundant scope for those capitalists who wish to strike out new departures, and secure more remunerative returns than is now possible in South African gold mining.

PHILANTHROPIC MINING.

TT is gen dulness is exemplified in a Government Blue-Book; we venture to think, however, that no one connected with British mining could devote a few hours to the study of the recently published Mineral Statistics for 1893, without finding therein food for much interesting, though perhaps not exhilarating, reflection. Although it is popularly said that figures can be made to prove anything, we fear that it would direction of gold mining enterprise. Speculation, once revived, require an exceptionally dexterous manipulator to extract any grains of consolation for our mining industry from the figures now before us. Looking first at our great British staple of coal we see that the production in 1893 showed a falling off of over nerative character of the formation was at one time disputed, is 10 millions sterling from that of the previous year, in spite of the a magnificent inventive to the mining engineer and the capitalist. price averaging about 6.5 per cent. higher. These figures The gold production of the Transvaal is now at the rate of can scarcely, however, be looked upon as an indication of any eight millions sterling a year, and so far from being dependent real decadence in coal mining; they rather serve to illustrate upon extraordinary finds it is carried on by the application of in a very forcible manner the amount of less and damage which economical and labour-saving machinery to quartz going as low a great strike in an important industry can inflict on the nation

such a succession of incisive object-lessons on the same subject from both sides of the Atlantic, that it must have been brought home even to the dullest of demagogues and that mere writing about it must assuredly be superfluous A glance at the general summary of mineral produce shows that there has been a falling off during 1893 in nearly every branch of mining as compared with the previous year, the total value being about 111 millions sterling less. As already stated, the greater part of this diminution is due to the diminished production of goal, which one item alone forms 79 per cent. of the value of all the minerals raised.

Great Britain has been noted as a metal-producing country from the very commencement of our historical record, and we are in the habit of thinking that it still maintains its ancient reputation; let us, therefore, examine our position as metal producers a little more closely. We find in the first place that the total value of all the metals produced by us is set down at a little over 10 millions sterling, whilst of this comparatively small amount iron is responsible for nine-tenths. The total is over a million and a quarter less than in 1892; the greater part of this diminution is, however, due to the decrease in the output of iron, and this may be dismissed as being in fact only another evidence of the far reaching influence of the great coal strike. The values of the remaining metals stand at very nearly the same amount as in the previous year, the largest portion by far thereof being formed by the output of tin-the product par excellence of Cornwall. Copper mining is dead; lead is dying fast; zinc has never attained to any great importance. Tin mining is, therefore, all that is left to us. It is not so many years ago that Britain was the leading factor in the tin production of the world; where is it to-day? The value of the tin imported into Great Britain in 1893 was £2,012,000; that of the tin produced by us in the same year was about £785,000-barely enough for our own consumption. Yet we are assured by those best qualified to judge that Cornwall is by no means exhausted, and that there is still plenty of tin to be won there, whilst some of the leading mines never looked better. At the same time it is abundantly evident that tin mining is not to-day a highly remunerative industry. No doubt foreign competition has much to do with this fact-competition from countries where the ore is more easily and more cheaply won, and where the miners are not subject to the operous dues and vexatious interference of ground landlords Apart from these reasons, however, there is another very cogent one, evidence of which is supplied by this same volume of mineral statistics. We see that the Cornish mines produced in 1893 some 12,000 tons of black tin, whilst the stream works-which Simply treat the refuse that the mines allow to run to wasteproduced 1200 tons of black tin or 10 per cent. of the above quantity. The stream-works ore is, however, of poorer quality than the ore direct from the mines, so that the money value of the output of the former comes to 74 per cent. of the value of the latter. That is tosay, the mines allow the 13th part of their produce to run to waste, which amount the streamers are able to collect at a profit; how much more tin, escaping both the miners and streamers, is totally lost, is quite unknown. Is there any other industry in the world, we wonder, in which the producers, after going to enormous expense to extract and prepare a valuable article, and after paying heavy royalties for the right of extracting it, deliberately fling away the 13th part of their product, and allow others to collect it, simply because their machinery is too imperfect or their methods of work inefficient? Absurd as this sounds, this climax is only reached when we find that the stream workers pay nothing at all to the miners who have raised and crushed the tinstuff for them, for the privilege of working this refuse, but pay dues instead to the ground landlord. surely not surprising that tin mining thus conducted is not a profitable industry—except to the landlord!

Tin miners are fond of quoting what they look upon as an analogous case in gold mining, where, as they truly say, far more than 8 per cent. of the value of the ore is often left in the tailings. This statement is correct, but in this plausible argument the fact is omitted that the gold which is left does not in the present state of metallurgical science pay to extract, whereas the 71 per cent. of tin extracted by the stream workers does pay them well enough, otherwise they would not continue their operations. Moreover, we have no means of knowing how much tin is being lost by the miners, which does not pay even the streamers to collect, but which might be profitably saved by the employment of improved machinery. Nor do we think that many instances can be quoted in which gold miners would be found to emulate the generosity of their tin mining brethren by giving away their tailings without a very substantial quid pro quo-far less for nothing at all. In spite of anything that may be urged in palliation, the lesson conveyed in the above figures is too evident to admit of being explained away. If tin mining is dying in this country, one at least of the reasons is that the technical science of Cornish miners is not equal to that of their competitors come, service in emphasising this fact. It almost looks as by the Chinese; after having been for centuries the pioneers of engineering invention, their energies in this direction appear to be exhausted, and they are passed by other nations who had previously profited by their discoveries. Unless the miners of Cornwall bestir themselves and cheapen their product by the introduction of modern automatic ore-saving machinery, they must be content to lose the only industry upon which they still retain a hold. It can hardly be said that want of capital is the cause that prevents such introduction, seeing that the value of the tin lost by the miners and collected by the streamers in one year would go far to equip all the leading Cornish mines with high-class machinery. A truer cause seems to us to lie in the stolid conservatism of the Cornishman in all that touches his main industry. Respect for the wisdom of one's ancestors is, no doubt, an admirable quality, but, like other admirable qualities it may be carried too far.

NOTES COMMENTS. AND

HE policy hitherto pursued by the East Rand Proprietary Company is the one which prudence and judgment alike wald recommend. One sentence in which that policy was formulated so succinctly describes it that it is worth quotation. Here it is stated to be "a persistent and methodical pursuance of fully demonstrating the value of the reefs traversing the properties, and developing the most promising sections, prior to the erection of costly machinery; as, in their [the directors'] opinion, it will be far easier to find further working capital, if required, when the mines have been well developed, and their value by assay and test crushings has been fairly proved, than to expend large amounts of money in the erection of machinery before such developments have taken place." Conformably to this course. the reports of engineers and managers upon various sections of the property have been collated, and, taken together, are highly satisfactory. Already the views entertained as to the future prospects are of the highest and most sanguine nature. A position well up in the mining companies of the Rand is confidently anticipated for the East Rand Proprietary Company, and if a tithe of these anticipations should turn out to be well founded, the shareholders will have abundant cause for congratulation. If not, they will at least experience the satisfaction of having taken a bold stroke for fortune.

THE reconstruction of the United Langlaagte Gold Mining Company, adopted recently at Johannesburg, appears to have created some difference of opinion as to its advisability. It finally received the support of an overwhelming majority of the shareholders, but not until one of the directors had thought it worth while forwarding a written protest to the meeting. The ground of the objection taken is simply that the financial position of the company is sufficiently sound at the present time to render any "financial manipulations" unnecessary. This view was, however, endorsed by only a very small section of the company's shareholders, and the scheme, as already stated, received the assent of the meeting. The main lines of the reconstruction scheme are the reduction of the present capital of £100,000 to £62,500, to be represented by 62,500 fully paid shares to be distributed among the present shareholders in the proportion of five for eight, and the subsequent addition of 87,000 shares of £1, of which 30,000 are to be offered to the shareholders of the company, 36,000 devoted to the purchase of the deep levels of the company's present claims, and 21,500 held in reserve for future disposal. Thus the company will have an extended sphere of operations, with a large addition to its capital to meet the charges which must necessarily be incurred-With the phenomenal success which has recently attended deep level mining in view, there would appear to be a hopeful future for the company.

MR. TAVENOR'S forecast of what lies in the future of the Lion (Mozambique) Company was undoubtedly optimistic, but its optimism was supported by an abundance of quotations from Mr. Alford's report, in which the configuration of the reefs, the facilities for working, and the whole description of the property from a mining point of view, were set out in detail. These are early days to speak of the prospects of a mine, and that taken into consideration, Mr. Tavenor must be admitted to have covered the ground comprehensively and in detail. The present is an instance of how much depends on the development of a country upon adequate railway communication. Should the proposed new railway be constructed—and it appears that Mr. Rhodes has seriously taken the thing in hand, which is far on to the same thing—the Lion property will reap a great advantage from the ease with which all the necessary stores and machinery which are needed can be brought to the mine. As the various territories in the neighbourhood become more and more developed, the operations carried on by the company will be the local mining community can, under no circumpursued to greater advantage.

Some disappointment arises naturally from the report of the directors of the Alabama Coal, Iron, Land, and Colonisation Company. The business has not been so large, nor have the returns been so satisfactory as those of the pastyear. The cause, however, is not far to seek, and lies in a direction absolutely beyond the control of the board. Even such a country as America occasionally suffers from commercial depression, and it is at once obvious that a company carrying on such a diversity of operations as the one under notice must experience the full force of economical vicissitude. While, therefore, there may be cause for disappointment in the matter between the fawn-coloured covers of the Alabama Company's report, the shareholders may at least rest assured that their concern is i good hands, and that the best is being done for their interests. The law of reaction abroad, and we feel that we are doing them good, albeit unwel- obtains nowhere with greater constancy and force than in the sphere of commerce. This fact is a hopeful one, for it suggests time must before long brighten, and among the multifarious changes which will follow upon such a re-awakening there will be increased prosperity for the comprehensively-named Alabama Company.

THE new departure taken by the Cumberland Lands (Limited) should be a starting point to better things. As the Chairman more than hinted in his opening speech at the recent extraordinary meeting, there have been sad experiences in the past, but it would seem from the shortest summary of the company's present position that there are very few evil results remaining behind. Briefly, the company possesses a valuable freehold estate of some 72 square miles altogether free from encumbrances. It is perfectly obvious, however, that the "proper management" postulated by all the speakers at the recent extraordinary meeting as the sine qua non of success necessarily presupposes the establishment of a board of local control. The prosperous companies in the world."

proposal to manage from London a property of the kind we have indicated appears at first sight to stand self-condemned. The unanimous acceptance of this view by the shareholders angurs well for the Cumberland Lands.

Upon the occasion of his retirement from the Presidency of the South African Association of Engineers and Architects, Mr. Arthur H. Reid delivered some weeks ago at Johannesburg an interesting and pointful address, in which he dealt, as was inevitable, largely with mining. By implication it would seem that at present the statistics obtainable in the district are hardly so full or accurate as they might be. He credits the local Chamber of Mines with the performance of a highly useful work in originating a series of accurately compiled monthly returns-This work, however, is one which could more thoroughly and easily be compassed by a Government armed with plenary authority than by an institution, however widely organised, and it is upon that account a satisfaction to know that the Government of the South African Republic will shortly publish detailed statistics as to the workings and cost of the mines in their territory. When the magnitude of the industry is taken into account it must seem strange that hitherto so little attention has been paid to this certainly not unimportant branch of departmental work.

SPEAKING of the mine machinery in use there, Mr. Reid confesses his surprise at the pitch of comparative perfection to which it has attained. The tremendous returns, and the elaborate and costly electrical plants do certainly suggest the contrast between the position of to-day and when, in the time of old Ferreira camp days, the five stamp mill "used to keep the camp awake," until, we presume, the drowsy mind of the sleeper worked the persistent thumps of the machine into some novel phase of the ever startling confusion of a dream. Mr. Reid has tabulated the leading features of the great improvement which has taken place, which are mainly the centralisation of power stations, the increased use of electricity, the introduction of sorting stations, larger geared winding stations, and the direct filling system into the cyanide process. This brief narration of the leading differences between the new and the old systems is sufficient to show how great has been the advance in a short period. The world is moving rapidly in this as in every other branch of practical invention.

THE Bulletin des Mines has had recourse to the governmental statistics of Matabeleland for evidence as to the progress being made in the opening up of that country. Its rapid development is shown by the fact that "pendant les huits premiers mois de l'année, il n' a pas été délivré moins de 507,020 timbresposte, d'une valeur de £5416 8s. 4d., ce qui montre l'activité croissante des transactions." Here, certainly, as our contemporary remarks, is forcible evidence of the growth of affairs in that far-off country. Nor is there the slightest ground for discouragement in the fact that at present the operations are necessarily restricted and primitive. That must inevitably be so for a time at least, and there are reports to hand that the requisite machinery is arriving, together with many additional miners, so that in all probability at the end of 12 months a great improvement will be sure to have taken place. A glance at the list of names engaged in directing the mines there is sufficient to show that no unnecessary delay is likely to take place

One element in the expensiveness of South African mining, frequently overlooked, but none the less important, is the increasing scarcity of native labour. At present in districts £3 a month is paid for the natives—a rate abnormally high in view of his capabilities and characteristics as a worker. The excess of this sum over the lower wages paid elsewhere amounts, according to a trustworthy computation, to £180,000 per annum on the whole industry in the more expensive districts. It will thus be seen that the matter is one which stances, afford to neglect. At a recent sitting of the Johannesberg Chamber of Mines the arrangements made for continuing the supply of the much-sought-after aborigines were laid before the assembly. It appears that through the outbreak of hostilities to the North the full measure of what the executive committee are able to effect under ordinary conditions has not been done. Wars and rumours of wars, even more than the brandy bottle, are a potent influence of disturbance. This apart, however, the work of importing native labour to the busier districts can be pursued to the greatest advantage, and may become one of the most useful, of many useful, offices performed by a Chamber of Mines. Probably it will be resumed after the pacification-if, indeed, it had not already been resumedand its benefits will again be enjoyed.

THE reported discovery of a gold-bug in Mexico is interesting insectivorously, metalliferously, and economically. Peculiarities of diet have frequently been the distinguishing characteristics of many units in the evolutionary chain. Ostriches have devethough Cornishmen were fast falling into the position now occupied that the unusually despondent outlook in Alabama at the present loped an unreasoned partiality for salmon tins. We have our selves seen elephants dine sumptuously off newspapers. But the aristocrat of the banquet is certainly the gold-bug. His bill of fare is exclusive; it is gold, gold, gold. Nothing else-not even silver-will suit his delicate palate. The unearthing of this miserly insect has come too late for adequate literary treatment. Addison ought to have known of it. Then the world would have had a priceless addition to the Spectator, and the prince of humorists another impetus to his never-flagging imagination. The little creature has, however, opened the possibility of a finale on the directorial trumpet in something like this strain;-"In conclusion, the directors have to regret unfeignedly that the excessive voracity and the unprecedented ravages of the gold-bug have turned a prosperous mine into an unproductive and barren desert, and so necessitated the liquidation of what it was hoped would have been one of the most

OUR CITY ARTICLE.

FRIDAY EVENING.

THE MINING MARKET.

A dull beginning.—Chartered rise.—A satisfactory carry-over.—Markets strengthen.—Gold, Lands, and Indians firm at the close.

THE dull tone which characterised the markets at the opening on Monday has been superseded during the closing days by an assertion of considerable buoyancy. A spiritless inactivity ruled in both sections of the Mining Market at the opening of the week. From the mere absence of anything approaching a demand for shares, the quotations exhibited a decided tendency to droop away. Falls did not exceed in most instances the and were obviously due to the provailing depressed. the opening of the week. From the mere absence of anything approaching a demand for shares, the quotations exhibited a decided tendency to droop away. Falls did not exceed in most instances 12, and were obviously due to the prevailing depression, and not to any change in prospects. Nearly the whole body of land and gold shares lost the turn of the market. The exceptions in the one case were Chartered, and in the other Simmer and Jack, where there were distinct renewals of strength. In the Miscellaneous market the one feature was an unexpected jump of Day Dawn Blocks, where some remarkably favourable reports from the property produced a sudden rise. Even Indians could not but be susceptible to the prevailing weakness, and were distinctly easier. Wynaads and Harnhalli were the exceptions at strength. There is the same record without any qualification to be made for Tuesday's markets. A state of pronounced inactivity ruled in both sections. The exceptions to the general movement downward, which in the South African market characterised gold, land, and diamond shares, were Chartered, which remained strong, and City and Suburban and Champ d'Or, which advanced, though to no very considerable extent. In the Indian and miscellaneous quarter there was hardly a single improvement. The same causeless depression which has been the feature now for some days remained, and one or two sellings and consequent droopings were caused. Nundydroogs were firm on the promising reports from the property, but were, with Brilliant St. George, the only bright feature of the market. The carry-over was a light one, and consequently was rapidly effected. Considering the past depression the making up prices were more favourable than could have been expected. Rates ruled easy all along the line, and there was no difficulty experienced. As usual the tone immediately following was a bright one, and closed 2s. up on the day. Beyond that business was very limited. On the next day, Thursday, both markets were in a decidedly firmer condition. Busine the day. Beyond that business was very limited. On the next day, Thursday, both markets were in a decidedly firmer condition. Business was brisker, and buoyancy the prevailing characteristic all over the market, and especially with gold and land shares. Indians participated in the upward movement, and rises were recorded almost without exception. The condition of the markets at the close is, in fact, more encouraging than has been the case for some weeks.

British Mines.

The Cornish market is in a depressed and stagnant condition, and with the present outlook for tin no one seems disposed to buy, although prices generally are ridiculously low. On the other hand, holders are in no hurry to sell, the belief being general that tin cannot long remain at £86 for Straits. Some progress has been made in "forking" at Dolcoath this week, and it is to be hoped that there will be no further difficulties. Killifreth have been fairly dealt in, and close about 60s. Carn Brea are steady, but only a few shares have changed hands. Risen: None. Fallen: Dolcoath, £2; South Crofty, 2s. 6d.; and Wheal Kitty, 9d. and Wheal Kitty, 9d.

South African Shares. There was not a very hopeful commencement to the week in the Mining Market. Business was as dull and spiritless as ever the Mining Market. Business was as dull and spiritless as ever, and whatever movement there was in the South African section was certainly not in the direction of improved quotations. Simmer and Jack, which hardened to 71st, and Kleinfonteins were the conspicuous exceptions to the prevailing depression. Recession to a small extent took place in Crowns, Geldenhuis Batate, Meyer and Charlton, Stanhope, Transvaal Gold, Princess, Village Main Reef, and Wolhuter. The news that the New Rietfontein mill had closed down lost some of its effect by anticipation, and the dacline, upon that account, was not quite up to the extent which might have been expected. Land shares generally drooped. Chartered were an exception to the rule, however, at a small rise, due to the reports as to the activity of the operations being pursued on the property. Bechs., on the other hand, declined. In this section of the market relapses took place in Exploring, South African Exploration and Mozambique. The principle diamond shares remained dull and inactive. Tuesday passed without bringing any activity to this section of the market. Business fell away to even a greater extent, with the result that there were several offerings, which caused prices to droop. In the gold department there were enquiries for City and Suburban, which advanced to 133. section of the market. Business fell away to even a greater extent, with the result that there were coveral offerings, which caused prices to droop. In the gold department there were enquiries for City and Suburban, which advanced to 13\frac{3}{4}, and for Champ d'Or, which hardened to 1\frac{1}{4}\frac{1}{4}. The greatest recession took place in Jubilees, which fell \frac{1}{4} to 5\frac{1}{4}\frac{1}{4}. Langlaagte, Salisbury, Wolhuter, Worcester, and Rand Mines were all \frac{1}{4}\frac{1}{4}. Gold Fields were not so firm. With the exception of Chartered, which remained firm and closed at 28s. 9d., Land and Diamond shares were rather flat. Becks. still remained depressed, and both De Beers and Jagers were less buoyant, the former closing at 14\frac{1}{4}\frac{1}{4}\text{, and the latter at 12\frac{1}{4}\frac{1}{4}\text{, and the latter at 12\frac{1}{4}\frac{1}{4}\text{, and the latter at 12\frac{1}{4}\frac{1}{4}\text{, and the latter at 12\frac{1}{4}\text{, and another were going over at from 6d. to 1a, Chartered at from 4 to 6 per cent., and Gold Fields at an average of 5 per cent. On the whole the comparison of prices with the last account is a favourable one. Chartered showed a substantial improvement, and there were also advances in City and Suburban, Explorimprovement, and there were also advances in City and Suburban, Gensolidated Gold Fields, De Beers, Jagers, Durbans, Explorings, Henry Sourse, Heriot, Jubilee, Robinson, Wemmer, and others. Falls, on the other hand, were recorded in Crown Reef, Ferreira, Rietfontein, Langlagte, Chimes, Salisbury, Simmer and Bechnanaland. An improved tone manifested itself after the carry-over. Chartered received steady support, and rose 2s, on the day to 30s. 9d. Bechs, too, rallied to some extent. Explorings and South African Gold Trust were also harder. The feature of strength in gold shares was City and Suburban, which recovered 7-32 to 1341. Gold Fields Deep went up to 4 buyers, Ferrainas, Geistenhuis Estate, New Chimes, Transwal Gold, and Worcester wape all 1/2 better, and Consolidated Deep Level improved the turn. Crown Reef lost at 7/1, and a slight retrogression was noticeable in the cases of Hunry Neures, Robinson, and Kleinfontein. Diamonds were fairly steady, a rise of 1/2 occurring both in De Beers and Jagers. After the depression which had prevailed so long, it is a pleasure to be able to record the distinct improvement in and there were also advances in City and Suburban

tone which asserted itself immediately after the carry-over, and was maintained throughout Thursday. Gold shares were especially active, rises occurring in Cities, Crowns, Primroses, Wolduters, Champ d'Or, Henry Nourse, George and May, Shebs, and May Consolidated, and alightly better prices being bid for Jumpers and Salisbury. Land shares were better all along the lines. Chartered were extremely active, and were at one time quoted at 31s. 6d. Finally, however, they closed at 30s. 3d. Bechs. were not so buoyant, and eventually closed at 25s. There were also rises in Explorings and Zambesias. In the Diamond market De Beers relapsed to 14g, while Jagers hardened to £13. Throughout to-day the firmer tone has been maintained in the South African market, especially in Land shares, which market De Beers relapsed to 14\$, while Jagers hardened to £13. Throughout to-day the firmer tone has been maintained in the South African market, especially in Land shares, which were very strong. Chartered remained firm, and there has been a demand for Gold Fields, which closed at 2\$, bid. There have been no special features to record on the ordinary gold shares, which, however, have remained generally firm.— Risen: Bechs, 1s.; Chartered, 3s.; Champ d'Or, 1s. 3d.; Consolidated Gold Fields, 2s. 6d.; City and Suburban, 10s.; Exploring, 10s.; Henry Nourse, 1s. 3d.; Moodie's, 6d.; South African Gold Trust, 1s. 3d.; Transvaal Estates, 6d.; Zambesia, 2s. 6d.—Fallen: African Gold Recovery, 12s. 6d.; Agnes Block, 1s.; Bantjes, 6d.; Block B, 1s.; Central Zoutpansberg, 3s.; Champ d'Or Deep, 6d.; De Beers, 2s. 6d.; East Rand, 1s.; Geldenhuis Estate, 2s. 6d.; Glencairn, 1s.; Gold Fields Mashonaland, 1s. 3d.; Johannesburg Waterworks, 6d.; Langlaagte, 5s.; Lisbon 3d.; Luipaard's Viei, 6d.; May, 1s.; Meyer and Charlton, 2s. 6d.; Mashonaland Agency, 1s. 3d.; Modderfontein, 6d.; New Jagersfontein, 2s. 6d.; New Primrose (allow dividend), 1s.; Ocean Development, 1s. 3d.; Otto's Kopje, 3d.; Orange Free State, 5s.; Paarl Central, 1s.; Princess, 1s. 3d.; Randfontein, 6d.; Reads Drift, 6d.; Spes Bona, 1s.; South Reef, 3d.; Transvaal Exploration, 1s.; United Langlaagte, 2s. 6d.; Van Ryn, 1s. 3d.; Wemmer 2s. 6d.; Worcester, 1s. 3d.

Miscellaneous Shares.

Depression ruled in the Miscellaneous market as alsowhere on

Miscellaneous Shares.

and Jack, 28. od.; Spes Dona, 18.; South Rees, 3d.; Pansvala, Exploration, 18.; United Langlaagte, 28. 6d.; Van Ryn, 18. 3d.; Wemmer 2s. 6d.; Worcester, 1s. 3d.

Miscellaneous Shares.

Depression ruled in the Miscellaneous market as elsewhere on Monday. The one phenomenal rise in Day Dawn apart, which carried them from 5s. 3d. to 8s. 6d., there was but little to interest the speculative mind. Against this there were falls in Australian Broken Hill, Kapanga, and Bonnie Dundee. There was a tendency to droop amongst Indian shares. Balaghat fell to 5s. 6d.. Champion Reef were ½ lower at 3½, and Ooregum ordinary and Ooregum preference suffered shrinkages of ½ each at 3½ and 3½ respectively. Gold Fields of Mysore were lower at 1-32, Mysore Reefs reacted to 13s. 6d., and the two Nine Reefs were somewhat easier, Rio Tinto fell ½ to 12½. A monotony of dulness continued to depress the Indian and Miscellaneous market on Tuesday. Day Dawn Block did not maintain their upward movement, but closed at 7s. In the Indian section the prevailing dulness occasioned slight losses to Mysore Reefs, Mysore Gold, and Champion Reef. Guston and St. John del Rey were both a trifle weaker. Firmness was, on the conteary, exhibited by Nundydroog, which recovered 6d. to 29s. Trifling recessions occurred in Australian Broken Hill, Poorman, Callao Bis, and Colombian Hydraulic and New Queen. In the Miscellaneous market the account was arranged with the greatest ease. The making-up prices were generally rather lower, but rises have occurred in Brilliant and St. George, Day Dawn Block, Nundydroog, and Tolima. But little business for the new account was transacted, and the market was in that sensitive condition upon which a comparatively small call or demand would produce a disproportionate effect. Champion Reef were strong at a rise of ½ to 3½, while the former tone extended to Ooregun at 3½, and to Nundydroog, and Bok was resumed, and the shares improvements in Broken Hill Props, De Lamar, Harquhala, Poorman, Colombian Hydraulic, Holcomb, and Liab

STOCK EXCHANGE SETTLING DAYS.
Consols, Wednesday, August 1.
STOCKS AND SHARES.
Pay Day
Ticket Days.
Pay Day

Continuation Days. Monday, August 13 | Tuesday, August 14 | Wednesday, Aug. 15 Tuesday, August 28 | Wednesday, Aug. 29 | Thursday, Aug. 30

FLUORINE has always been considered an important element in apophyllite, says the Revue Technique. Recent analyses show, however, that it is not. Monsieur F. C. Friedel gives the following formula for the mineral:—4Si₂O₇CaH₄+KOH.

FORTHCOMING MEETINGS.

We shall be obliged if Secretarise or other Officials of Mining. Railway and other Companies' will be good enough to advise us as early as possible of the date, time and place of their forthcoming meetings - whether statutory, semi-annual, annual, general or extraordinary, confirmatory or adjourned -in order that particulars may be announced for the benefit of our sub-scribers and more particularly our country readers. Balance sheets, reports and other matter to be submitted int such meetings should, where rible, accompany the intimations of the meetings cent

Name of Company,	Date.	Mature of Meeting.	Place.	Time.
Australian Mining Company Harriestellie Company New Pinos Altos. Anglo-French Masho't'nd Co. Central Montrose Gold. Julia Taltal Witrate Barma Ruby Minos Imperial British E. Africa O Montrose Gold & Expioration New Gold Hill. Helsomb Vas. ey Company	July 20 July 20 July 20 July 21 July 21 July 21 July 21 Aug. 1 Aug. 3	General	Guildhall Tav. 6 Qu'n et. pl'es. Cannon-street Winebester Ho. Winebester Ho. Cannon-street Winebester Ho. Cannon-street Cannon-street Cannon-street	12 noon 3.0 p.m. 3.0 p.m. 12.30 p.m. 12 noon 8.0 p.m.

DIVIDENDS ANNOUNCED.

Australian Mining, 1s. 6d. per share.

Alaska Tresdwell Mining, 1s. 6d. per share.

Brilliant Block, 9d. per share.

Brilliant Central, 3d. per share.

Brilliant Central, 3d. per share.

Broken Hill Proprietary, 1s. per share.

De Lsmar, 1s. per share.

Phosnix Golden Pile, 1s. 6d. per share.

Victoria Mining Association, 3d. per share.

Aberdeen and Glasgow Steam Shipping, 1s. per share.

Aberdeen Tramways, 5 per cent.

Bradford Tramways, 10 per cent.

Brawery and Commercial Investment Trust, 2½ per cent.

British Steamship Investment Pref. Stock, 3 per cent.

British Steamship Investment Pref. Stock, 3 per cent.

City Bank of Sydney, 3 per cent.

City Bank of Sydney, 3 per cent.

City and South London Railway, 1 per cent.

City and South London Railway, Pref., 5 per cent.

Commercial Banking of Sydney, 8 per cent.

Consett Iron Company, 9s. per share.

Consett Iron Five per Cent. Pref., 4s. per share.

Consett Spanish Ore, 5s. per share.

Cumberland Union Banking, 10 per cent.

Direct United States Cable, 2s. per share.

East and West India Docks Def. Deb. Stock 1½ per cent.

Ely and St. Ives Railway Four per Cent., 5 per cent.

Ely and St. Ives Railway Five per Cent., 5 per cent.

Glasgow Tram and Bus, 4s. 6d. per share.

Glasgow Tram and Bus, 4s. 6d. per share.

Globe Telegraph and Trust, 3s. 9d. per share.

Groat Eastern Railway, 1 per cent.

Halifax Commercial Banking, 10 per cent.

Halifax Commercial Banking, 10 per cent.

Halifax Commercial Banking, 10 per cent. Great Northern of Ireland 6 per cent.
Halifax Commercial Banking, 10 per cent.
Harrison and Co. (Directory), 27 per cent.
Hibernian Bank, 4 per cent.
Howell and Co., 10 per cent.
Inns of Court Hotel, 4 per cent.
Lancashire and Yorkshire Railway, 3½ per cent.
London and Blackburn Railway, 4½ per cent.
London, Brighton, and South Coast Railway, 2½ per cent.
London, Brighton, and South Coast Railway Preference, 3 per cent. London, Chatham, and Dover Railway Arbitration Preference, 12

London and County Banking, 10 per cent. London Road Car, 5 per cent. London and St. Katherine's Docks, 2½ per cent. London and South-Western Railway, 4½ per cent. Main Colliery, 5 per cent.

Matin's Bank, 6 per cent.

Mason and Mason, 2 per cent.

Mason and Mason Preference, 6 per cent.

Manganese Bronze and Brass Co., 8s. per share.

Melbourne Tram and Bus, 6d. per share.

Metropolitan Bailway, 28 per cent.

Manganose Bronze and Brass Co., 8s. por share.
Meibourne Tram and Bus, 6d. per share.
Metropolitan Railway, 2½ per cent.
Metropolitan District Railway Five per cent. Preference Stock,
3½ per cent.
Nelson Brothers, 2½ per cent.
Nelson Brothers Preference, 6 per cent.
New Investment, 5 per cent.
New Tamarugal Nitrate, 2½ per cent.
New Tamarugal Nitrate Mortgage Debenture, 6 per cent,
New Tamarugal Nitrate Mortgage Debenture, 6 per cent,
New Tamarugal Nitrate Preference, 8 per cent.
New Tivoli, 10 per cent.
New Tivoli, 10 per cent.
New Tivoli, 10 per cent.
Nottingham and District Trams, 9 per cent.
Notth—Eastern Railway Consols, 5 per ceut.
North London Railway, 7½ per cent.
Oakhill Somerset Brewery, 12 per cent.
Perry and Co., 10 per cent.
Perry and Co., 10 per cent.
Railway Debenture Trust, 4s. per share.
Reid and Co., 8 per cent.
Reversion Purchase, 5 per cent.
Raylands and Sons, 10 per cent.
Sanitas, 10 per cent.
Scottish Life Assurance, 6 per cent.

Rylands and Sons, 10 per cent.
Sanitas, 10 per cent,
Scottish Life Assurance, 6 per cent,
Southampton Transvaal, 4 per cent.
Threlfalls Brewery, 10 per cent.
Threlfalls Brewery, Preference, 6 per cent.
United States Debenture Corporation Cumulative Preference
shares, 5 per cent.
Union Bank of Australia, 6 per cent.
Union Bank of Australia, 6 per cent.

Union Bank of Australia, to per cent.
Union Loan and Discount, 4 per cent.
Union Rolling Stock, 10 per cent.
Union Rolling Stock, bonus of 2 per cent.
Union Rolling Stock Preference, 6 per cent,

Welford and Sons, 6 per cent.
Wostminster Electric Supply, 4 per cent.
Western Wagon Co., 8 per cent.

COMPANY FINANCE:

Reports, Balance Sheets, Dividends, &c., of Mining and other Companies.

Consolidated Gold Fields of South Africa. Notice is hereby given that the directors are prepared to show issue warrants to bearer in exchange for registered certificates in warrants of 1, 2, 3, 4, 5, 10, 50, and 100 shares. The directors are also prepared to issue debentures to bearer in exchange for are also prepared to issue dependings to bear in Canada. The the 5½ per cent. registered first debentures of the company. The terms upon which these exchanges are to be effected, together with forms for making the applications, can be obtained at the

offices of the company. The Harrietville Gold Mining Company.

The Harrietville Gold Mining Company.

The report of the directors to be presented at the sixth ordinary general meeting states that the value of gold sold during the year was £12,599 ls. 2d. The expenditure includes a charge of £350 for depreciation of machinery and plant, and the net result of the year's operations is a loss of £2,169 0s. 4d. This sum has been written off profit and loss account, which now shows a debit balance of £2032 18s. 4d. The grade of the ore again shows a reduction, the average being only 4 dwts. 14 grs. of gold to the ton, or, adding pyrites, a total of 5 dwts. 14 grs. as against 6 dwts. 12 grs. for the previous year. The difference is not great, but it is sufficient to account for a loss on the year's work. A considerable amount of exploratory work has been accomplished, but no important discoveries have been made. There are, however, one or two points of interest now being tested, and the appearances are encouraging. Mr. now being tosted, and the appearances are encouraging. Mr. Davey is hopeful of being able shortly to report an improvement in the condition of the mine. The directors are of jopinion that the Mount Saint Bernard is a valuable property, and that the purchase price is extremely moderate; they are hopeful that this

property will be found to compensate for the disappointing results hitherto obtained from the working of the original pro-

Contarens United Gold Mining Company (Limited) Notice is hereby given that the conpous number 32 and 33, of the 10 per cent. second mortgage debentures of this company, due 1st December, 1803, and let June, 1894, respectively, will be paid at the office on and after the 30th day of July, 1894. The directors are prepared to issue to the debenture holders fresh sheets of coupons, with the coupon No. 33 detached, and for such purpose the debentures must be left at the office of the

THE QUEEN'S BIRTHDAY UNITED GOLD MINES, LIMITED.

An offer of Preference Shares.

It will be noted, on perusal of our advertisement columns, that the directors of the above-named company have decided upon offering for subscription at par 10,000 £1 Ten per Cent. Preference shares, payable 2s. 6d. per £1 share on application, 7s. 6d. per £1 share on allotment, 10s. on or before the 1st October. These shares will rank pari passu for all dividends with the 55,000 Preference shares already issued and allotted, and are entitled, after 10 per cent. has been paid on the ordinary shares, to 50 per cent. of all dividends actually declared by the company. Priority of application will entitle to allotment. The present capital of the company is £150,000, divided into £75,000 £1 ordinary shares, and £75,000 £1 Ten per Cent. Preference shares.

tion will entitle to allotment. The present capital of the company is £150,000, divided into £75,000 £1 ordinary shares, and £75,000 £1. Ten per Cent. Preference shares.

In the opinion of the directors, a few months will suffice for the necessary developments completely establishing the company's success. From advices by cable, under date the 5th instant, regular crushings have already been commenced at the mines, and the cablegram received the 9th instant shows the ore being treated will return a handsome profit. The cost of mining and milling to the company may be taken at from 3 to 4 dwts. per ton. An average yield of ½ ounce gold per ton will, it is estimated, return 30 to 40 per cent. dividends to shareholders.

The machinery and plant at present existing upon the company's properties consists of four mills, with a complement of 87 head of stamps, and is capable of treating 50,000 tons of quarts per annum. Forms of application for the £1 Ten per Cent. Preference shares can be obtained at the company's bankers, Messrs. Brown, Janson, and Co., 32, Abchurch-lane, London, E.O., or of the secretary, at the offices of the company, 7 and 8, Great Winchester-street, London, E.C., together with copy of original prospectus, annual report and balance sheet, and map of the mines.

The directors are expecting advice of a crushing of rich stone from the Belgium reef (assay 2 cunces gold per ton), and have received advice by mail of a visit of inspection paid to the company's property in June last by the Minister and Secretary of Mines of the Colony of Victoria, who expressed themselves very gratified and impressed with the company's future prospects and the magnitude of the mines and works.

LONDON EXHIBITIONS, LIMITED.

The Chairman on the position and prospects of the company.

Mr. P. Javal presided on Thursday over the statutory meeting of the London Exhibitions (Limited), held at the Freemasons

Tayern.

The Chairman said that the prospectus of the company was like the Budget—liable to attack and criticism from persons who were prejudiced. They had not been free from such attacks, but if shareholders were asked to pass a vote of confidence to the directors he had no doubt they would do so. (Hear, hear.) The idea of making exhibitions at Earl's Court emanated from a discussion between Mr. Imre Kiralfy and the directors of Spiers and Pond, and the thing was thought so much of that they, as individuals, and not Spiers and Pond (Limited), were prepared to put their money into the concern. They approached some friends who were large shareholders of that firm—such gentlemen as Lord Burton, Mr. F. Gordon (of the Gordon Hotels), Sir J. B. Maple, Sir F. Seager-Hunt, and others, and such a strong response was met with that without a single written line or prospectus, or, in fact, a word of any sort, the whole capital was offered them. They, however, thought it right to give the smaller shareholders the same opportunity of subscribing as the large ones. The Chairman then replied at great length to the criticisms of a London daily paper with regard to the prospectus of the company, and referred to the agreements mentioned in the resolution before the meeting. The first agreement, he said, was with Mr. Imre Kiralfy to purchase from him his interest in all his contracts, lease from the District Railway, &c. For that they had given Mr. Kiralfy provided that he was to act as author and managing director. That gentleman had bound himself for twenty-one years to work for nobody but the company on the Continent of Europe. First, as author, he undertook to hand over the shows and spectacles in such a manner as would enable them to ensure proper production, for they gave him 5 per cent. of the gross takings at the doors of the spectacle for reserve seats—not 5 per cent. of the takings of the Exhibition. That 5 per cent. was not all profit, because he would have to pay musicians and others a great deal out of it, and would The CHAIRMAN said that the prospectus of the company was the plans and models for the scenery and all the sketches and dresses to be employed on the stage. Cortain founders' shares was all he would get for management, and he would pledge himself not to deal with those shares in any way, and he would not be entitled to any dividend on those shares until after the shareholders had received 10 per cent. The next agreement was with Mr. Hartley, who had had a great deal to do with shows of that sort. Mr. Hartley would devote the whole of his time to the concern, for which he would get 1 per cent. in the same way as Mr. Kiralfy, but limited to \$200 a year. There was also an agreement with Spiers and 2000 a year. There was also an agreement with Spiers and Pond, as refreshment contractors, under which Spiers and Pond paid the company 15 per cent. upon all their takings for refreshments. The Chairman concluded by moving:—"That the four agreements of July 6, 1894, referred to in the prospectus, be and are hereby approved and confirmed."

re hereby approved and confirmed."

Mr. F. Gondon seconded the motion, which was carried unanimously, and the proceedings closed with a vote of thanks to the CHALBARA, who, in reply, said that the board had made arrangements to hold an exhibition in 1895 to be called the "Empire of

The Great Boulder Proprietary Gold Mines (Limited).—
The following information is taken from the South Australian Register of June 8th:—Great Boulder north drive 45 feet, south drive 50 feet, lode 14 feet. Great Boulder Extended open cut 660 feet, cut four lodes, two shafts 50 feet, lode 3 feet, one shaft 17 feet. Great Boulder north open cut 320 feet, cut Ivanhoe lode, two shafts 19 feet, one shaft 17 feet. Ivanhoe West open cut 400 feet, cut three lodes, shaft 12 feet. Great Boulder south open cut 350 feet, cut four lodes very rich, one shaft 11 feet, lode 3 feet, two shafts 14 feet, lode 9 feet, three shafts 10 feet, lode 2 feet. These mining leases are the property of the Great Boulder Proprietary Gold Mines (Limited). THE GREAT BOULDER PROPRIETARY GOLD MINES (LIMITED) .-

LATEST FROM THE MINES.

CABLEGRAMS AND TELEGRAMS.

A SIA MINOR.—Production to 7th July.—Lidjessy Mines.
2863 tons crude ore crushed, yielding 197 tons rich
allyer lead.
AUSTRALIAN BROKEN HILL CONSOLS.—The following

telegram has been received from the general manager, dated Broken Hill, July 21:—"18 cwts., 345 ounces of silver. There

BAYLEY'S REWARD.—The following cable dated 24th inst. has been received from Melbourne by this company's London office:—"Week's run 700 ounces; 88 tons. Mine is looking

BONNIE DUNDEE.—A cablegram from the managing director, at Charters Towers, states:—"Have completed the No. 3 (new) shaft to a depth of 750 feet; generally, all is look-

BRILLIANT BLOCK.—Crushed during the fortnight 868 tons of quartz for 745 ounces of gold. The profit on the run is £1100. Has declared a dividend of 9d. per share, payable on Tuesday, August 7. The approximate value of this return is

BRILLIANT CENTRAL .- "280 tons for 326 ounces, with a BRILLIANT ST. GEORGE.—Crushed 400 tons, yielding

1050 cunces of gold.
CITY AND SUBURBAN.—A cablegram from the head office, dated July 25, states:—"Township contract is concluded. Stands will be sold by public auction during the month of

COLOMBIAN HYDRAULIC.—The directors have received the following cablegram of the result of run No. 195:—"We have cleaned up after a run of 41 days, during which time we have washed 840 hours. The gross returns are £1900, the net profit is £1050.

DECATUR MINES SYNDICATE.—The warrants for the interest falling due this month on the 10 per cent. debentures of the Decatur Mines Syndicate (Limited), being the fourth half-

early payment, have been posted. EL CALLAO.—Messrs. Baring Brothers and Co. (Limited) have received the following telegram from the President of E Callao Gold Mining Company, 15th July:—"926-950 ounces of bar gold produced for the fortnight by El Callao Mine, and 1826-1850 ounces by the Colombia Mine."

ELKHORN.—Bullion produced in the mill for week ending

21st July, 8400 ounces EXPLORATION COMPANY.—Alaska Treadwell Gold Mining Company. Cablegram from Alaska announces the July clean up as follows:—"Shipment of bullion \$52,500, tons of ore milled 18,874, tons of sulphurets treated 344. Of bullion there came from sulphurets not stated. Estimated gross expenses for

period have been \$17,000. GOLDEN FEATHER CHANNEL.—The following received by cable on Saturday, July 21, from Colonel Frank Mc Laughlin, the company's general manager at Oroville:—"Foot-dam completed last week. Commenced pumping last Monday. Claim will be drained about beginning of next week should nothing unforeseen happen. Work going ahead rapidly and nothing unforeseen happen.

GOLDEN GATE.—The manager cables: diamond drill bore from the surface is now 1100 feet. The rock passed through is the same hard syenitic granite."

GREAT MONKLAND.—A reef has been struck showing

Wisible gold.

KOFFYFONTEIN.—For the four weeks ending June 18th 26,443 loads of yellow ground were hauled, and 19,943 loads washed, yielding 997‡ carats, at an estimated cost of £930 12s.

JAY HAWK AND LONE PINE CONSOLDATED.—The directors have received the fellowing the longest from the ways of the control of the contr

directors have received the following telegram from the manager:

—"Estimated return, 7800 ounces. We have commenced work
in the 300 west drift. Are stoping in good ore."

JOHANNESBURG PIONEER.—Output for month of June

1017 ounces of gold.

LAS CABESSES MANGANESE.—Production for the week ending July 21 (6 working days), 509 tons, or a daily average of

MOUNT LEYSHON.—The Mount Leyshon (Limited) have received the following cablegram, dated 24th inst., from their manager at Charters Towers, giving the fortnightly crushing:—
"800 tons crushed 105 ounces gold; 25 stamps out of 40 ran 12

MYSORE WEST AND MYSORE - WYNAAD CONSOLIDATED.—Tank block: The company's representative in
India reports by telegraph, dated July 28, as follows:—"400
feet level south of the shaft have cut a body of rich ore. The
quartz is 2 feet 6 inches wide. Assays average 12 ounces of
cold per ton."

quartz is 2 feet 6 inches wide. Assays average 12 ounces of gold per ton."

NEW QUEEN.—Result of crushing for past fortnight:—
No. 1 formation, 245 tons, yielding 330 ounces gold, old copper plates 87 ounces. Started crushing No. 4 formation July 13.

NEW RIETFONTEIN.—According to Mr. Hammond's instructions, battery will be closed down at an early day. Development will be continued vigorously in east and west mines.

PAHANG CORPORATION.—A cablegram has been received from the mines, giving particulars of the output for the month of June as follows:—"In 26 days of 24 hours each, 615 tons of stone were crushed, producing 40 tons 18 cwts. of black tin; 18 head of stamps running; working costs, \$9250." An official head of stamps running; working costs, \$9250." An official note adds that on the basis of the last sales the estimated value of the above output is \$16,250, showing a profit over working

expenses of \$7000.
PHŒNIX GOLDEN PHE.—"Phœnix Golden Pile crushed 379 tons, yielding 1439 ounces of gold. Dividend declared,

SAN SALVADOR SPANISH IRON ORE .- The s.s. Renwick sailed from Santander on the 23rd instant with a cargo of this company's ore for Middlesbro'.

SOUTH AUSTRALIAN PETROLEUM.—The latest advices from Mr. Crosbie, the manager in Burmah, state that steady progress is being made with the survey of the property, and that further maps and plans locating the wells will shortly be sent on to London. The new borings show good prospects. The rainy

to London. The new borings show good prospects. The rainy season is now on, and the health of the staff is good.

SPRINGDALE.—The following cable was received to-day from the mine manager:—"You may expect a very favourable report August 3. There is a great improvement in Mountain Lion Mine since last report, Shipment of high grade ores in the course of a few days."

Lion Mine since last report. Snipment of high grand the course of a few days."

VICTORIA AND ALTAMIRA.—The following report has been received from the mine July 1:—"Work at the mine suspended, owing to the heavy rain which still continues. It would be waste of money to attempt to put the men on, and I am very much annoyed, just at the time I expected to have some very good news to send to you."

VICTORIA GOLD MINING ASSOCIATION (Charters Towers).—A cablegram announces the declaration of a dividend of 3d. per share, payable on and after August 7th,

WEST AUSTRALIAN GOLD CONCESSIONS.—The fol WEST AUSTRALIAN GOLD CONCESSIONS.—The following telegram has been received respecting the property lately acquired by this company, and which allows Bayley's Reward:—"Carefully examined property, area 12 acres; adjoins Bayley's Reward on north-east corner. Shaft sunk, south-west portion exposing lode 5 feet thick, with 18 inches solid stans, aboving good gold. Lode underlying east making more in property, as depth attained. Large quantities alluvial were obtained, undoubtedly thrown from lodes, Bayley's Reward on side, sufficient to warrant investment of capital to further develop property, which by little work would be considerably enhanced.

METAL MARKETS.

LONDON METAL MARKET.

THE METAL MARKET-LONDON, JULY 27.

Copper.

THE speculative market opened quiet at £38 7s. 6d. s.c., but moderate sales sufficed to flatten it further, and £383s.9d. was accepted. A recovery to £38 5s. was followed by a further decline on the continuation of sales, and £38 1s. 3d. was recorded on Tu-sday, and £38 on Wednesday. Thursday's market was a shade firmer, in the face of a few buying orders, and to-day, the better feeling continuing, up to £38 6s. 3d. was paid for s.c. We close firm at £38 5s. s.c. and £38 12s. 6d. three months. The turnover has averaged about 500 tons per day. Consumers are not active buyers at present, and, generally speaking, there is little of interest or novelty to report about the market.

has been irregular. Shipments from the Straits have been very heavy, but the considerable movements in price seem to very heavy, but the considerable movements in price seem to have been almost entirely due to the conflicting operations of the more prominent speculators. Cash Straits opened at £66 7s. 6d., rose to £67, and then gradually declined to £65 17s. 6d. three months ranging from 7s. 6d. to 12s. 6d. higher than spot. To-day the market was livelier than usual, and about 550 tons changed hands. We close quiet at £65 17s. 6d. to £66 s.c. and £66 10s. to £66 12s. 6d. three months. Billiton has declined from 40½ fl. to 39½ fl. Since last week in the Dutch market large transactions have taken place in Straits as well as in Billiton, and prices remain unchanged—viz., 40½ fl. spot or 40½ fl. distant. Banka, however, was still neglected, with very little doing in this brand. On Wednesday some Banka changed hands at 40½ fl.

Pig Iron.

Shipments from Scotland last week were 3600 tons, or 1221 simplients from Scotland last week week 3000 tons, of 1221 tons less than last year, same period. In Glasgow, Scotch opened at 41s. 10½d. cash, fell to 41s. 9½d., rose to 41s. 11d., and fluctuated within these limits, closing at 41s. 10d. buyers. Hematite is quoted 43s. 7½d. a month, and Cleveland 35s. 3d. Lead

is steady, without special feature, at £9 Ss. 9d. for soft foreign and £9 10s. to £9 12s. 6d. English.

Spelter is flat on the cessation of Continental buying, and values have fallen, the close being at £15 12s. 6d. ordinaries and £15 15s.

specials. Antimony

is quiet at £32. Quicksilver

continues dull at £6 firsts and £5 17s. 6d. seconds.

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. "THE MINING JOURNAL" SHARE LIST

In the significations of the abbreviations and references which occur in the Snare List;—Ay, Antimony; A, Arsenic; Bi, Blende; Bz, Bornz; C, Copper; D, Diamend; C, Geld; J, Bren.

L. Land; M, Mundic; N, Mirstes; P, Phosphates; Q, Quickellver R, Ruby; S, Silver; S-i, Silver-lead; Sui, Sulphur; T. Tin; and Z, Enc. "in the "called up" column of British Mines, signifies that the mine is conducted on "Out Book" principles; I in the "Head Office" column of African Mines, signifies that the address given is not that of the head office, but of a sub- or transfer office and i, following the names of African Mines, signifies that they are sub- or transfer office.

P The following us by far the most complete and comprehensive list of mines, in whose shares business is being currently transacted, published. Additions will be made from time to time as occarion requires. Every effort is made to assure assuress, and Serretaries of Companies, Sacre dealers, and our readers generally, are cordially invited to co-operate with us to this end, by notifying us of any errors that may at any time occur. We desire it to be understood that, while our Share List will almost invertable to found covered to the hold coverable for any ulors or instruction.

	cretaries of Companies, Share dealers, and our readers generally, are cordicilly invited to co-operate with us to this end meet invariably be found correct; we do not hold ourselves responsible for any loss or inconvenience that may arise from pos BRITISH MINES.											E	UROPEAN	MIL	NES.		
Name.	Closing Price, July27, 1894	Closing e, July 20, 1894.	Par.	Latest Dividend	Called up Per Share.	Amount of Stock or No, of Shares Issued.	Situation of Mine-	Head Office	Name.	Closing Price, July 27, 1894	Olosing Price. July 20, 1894.	Par.	Latest Dividend.	Oalied up per Share.	Amount of Stock or No. of Shares Issued.	Situation of Mine.	Read Office.
itlasT	2/6 7/8	7/8	2	- 2/- May,'81	£ s. d. 1 0 0 5 9 6	12,000	Devon	Camborne.	alamillos	36 36	36 36 54 54	£ s. 2 0 1 0	-/3 Sept. *92 1/- May *93 42½ Feb. *94	2 a.d.	35,000 150.047	Spain	6, Queen-street-pl 4, Tokenho. Bidgs 19, Grey-st., N'oas
lotallack	1 1% 6 6% 3/- 5/-	134 834 5/-		2/6 Dec.,'93	51 4 6 21 12 5 35 15 10	1,880 6,000 4,900	Cornwall	St. Just. Carn Brea. Camborne.	English Cr. Spelter FortunaL LibiolaC LinaresL	96 56 0 34 536 536 36 96 10/- 15/- 276 336 236 3	15/-	1 0 2 0 5 0 3 0	5% Peb. '94 5% Dec. '92 -/6 Bept. '92 5/- Mar. '94 4/- May.'94	1 0 0 1 0 0 2 0 0 5 0 0 3 0 0	55,200 84,000 25,000 50,400 14,938	Bpain	9, Queen-street-pla 6, Queen-street-pla Dashwood Ho., & 6, Queen-street-pla
Derwentwatr, CLZ	22/6 27/6	27/8	1 0	5% May, '88 3/- May, '94	1 0 0	51,988 10,050 10,240	Cumberland Cumberland	7, Angel-court E.C. Manchester. 8, Finebury-circus.	Mason & BarryC Oscar	234 234	234 236 2/9	5 0 5 0 3 0	8/- Mar. '93 2/- May. '94	10 0 0 5 0 0 0 4 6 3 0 0	25,000 185,172 117,240	Spain Portugal Norway Italy	75, Queen Victoria- 87, Cannon-street. 6A, Austin Friars. 6-7, Queen-street-
Dolcoath 7 Drakewalls CTM	-/3 -/6	-	0 5	12/6 Apr. '94	9 12 6 0 2 0 1 0 0	4,700 61,856 19,905	Cornwall Yorkshire	Camborne. Dashwood Bouse. Palmerston-building	PestarenaG PontgibandL Rio TintoC Do. (Mort. Bonds) Do, (2nd do.)	1211/161213/16	_	20 0 10 0 100 0 100 C	5 2 July, 94	20 0 0 10 0 0 100 0 0 100 0 0	67,809 14,000 325,000 £1892,740 £1024,860	Spain	6-7, Queen-street- 30, St. Swithin's-la 30, St. Swithin's-la 30, St. Swithin's-la
ast PoolAT lawtonCA reat LaxeyL	7 7% 1 2 1/3 1/9	1/9	2 10 4 0 1 0	1/6 June,'94 5/- Apr., '92 -/6 June '89	0 9 9 2 7 0 4 0 0 0 19 0	12,000 15,000 32,000	Cornwall Devon Isle of Man Cumberland	Illogan, 20, Great St. Helens Douglas, Isl of Man. Newcastle.	Do. (3rd do.) Repanji	99 161 5/- 7/- 4¾ 4¾	7/-	100 C 1 0 2 0 10 0	1234 Z Mar. '94	2 0 0	£587.080 95,000 625,000 365	Spain	Walbrook Ho., E.
lexworthyT	2% 3% xd	23% xd	1 0 5 0	2/- June, '94 5/6 Sep. '93 2/- July, '94	1 0 0 1 0 0 5 0 0 5 11 6	10,000 14,634 14,000 6,000 15,919	Flintshire Devon Isle of Man Cornwall	Chester. 6. Queen-street-place Chester. Truro.	West Prussian Pro. W. Prussian Or. WohlfahrtL WohlfahrtL	=	=	10 0 10 0 1 0 1 0	87 June '94 87 June, '94 87 June, '94 37 June, '94 37 June, '94	10 0 0 10 0 0 1 0 0 0 10 0	5,450 14,050 99,634 9,090	Germany Prussia	Walbrook Ho., E. Walbrook Ho., E. 17, Victoria-st., S. 17, Victoria-st., S.
ead Hills	12/6 17/6	17/6	5 0	3/- May, '92 3/- Sep. '92 2/6 July, '94 1/3 Nov., '91 5/6 Mar. '90	1 0 0 6 0 0 11 9 6 1 16 7 5 0 0	20,000 2,500 7,165 9,000	Cardiganshire Lanarkshire Cornwall Wendron Denbighshire	6. Queen-street-place. 30, Finabury-circus. Penzance. 3, Gt. Queen-st., 8. W Minera, N. Wales.			NO	RTI	AMERI	CAN	MINE	3.	`
ewCooksKitn.TC	-/6 1/-	1/-	1 0	6% Feb., '91	0 18 0 1 0 0 10 18 3 4 3 6	48,8°S 25,000 4,900 7,000	Northumberld Cornwall Cornwall	Newcastle on-Type St.Clement's Ho., B.C Camborne. Redruth.	Alaska MexicanG Alaska Treadwell G Almsda and T S	1 -/3 -/9	31/48	\$5 \$25 2/6	1/6 July, '94	\$5 \$25 0 2 6	160,006 200,000 351,008	Alaska	30, St. Swithin's-li 30, St. Swithin's-li 6, Queen-street-pla 25A, Old Broad-stre
o. Condurrow TC	1/- 3/- 15/- 20/- 2/- 3/- 7/8 12/6	3/- 20/- 3/- 12/6 134	0 10	1/- Mar. '90 	7 4 6 3 7 9 0 8 3 17 17 7	10,665 18,000 94,287 6,123 6,120	Cornwall Cornwall Cornwall Cornwall	Liskeard. 37, Walbrook. 8, Draper's-gardens. 20, Great St Helens	American BelleS Anglo Mexican Arizona (Pref.) Cu Do. 10 % Deben.	2/- 2/6	= 1/16 =	1 0 5 C 4 0 100 0	3/- Jan. 90 7% May 94	1 0 0 5 0 0 4 0 0 100 6 0	398,890 74,850 158,920 2,660	Mexico Arizona	25A. Old Broad-str 23, College Hill. 74, Geost., Edint 74, Geost., Edint
Increft	1 1½ 5/- 10/- 9¾ 10¾	10%	:	2/- Apr. '94 1/3 Oct. '90	17 2 6 2 7 6 15 7 6 1 10 0	6,000 6,000 50,000	Cornwall Cornwall Durham	Pool, Cornwall. Redruth. Carn Brea. 3, Lombard-court.	Big Oreek Ay. California G Canadian Phos. P	=	=	1 0 0 10 1 0	1/- Dec. '91 -/6 May 90 -/6 Nov. '90	1 0 0 0 8 9 1 0 0	50,000 129,571 73,334	Nevada Colorado Canada	2, Pancras-lane, B 8t, George's Ho. H 155, Fenchurch-st
est Kitty T heal Agar . TA	20/- 50/- 536 536 20/- 25/-	30/- 53% 25/- 25/-	-	1/6 May, '39 4/- Jan, '94 2/6 Aug, '88	15 17 1 1 2 0 23 5 2 12 9 6	6,144 6,000 6,000 6,144	Cornwall Cornwall Cornwall	Camborne. 37, Walbrook, Redruth. Redruth.	Colorado BoyS Cortes	Ξ	Ξ	1 0	3 % Feb. '93	1 00	211,510 112,491 300,000	Mexico Colorado Nevada	33, Broad-st. Av. B Abchurch-chbrs. I Suffolk House, E.
heal FriendlyT heal Grenville T heal KittyT heal Metal &P.T	-/8 1/- 15¼ 16¾ 6/ 8/ ¾ ¾	1/- 17 8/9 34		3/- July '94 3/- Mar. '88	0 12 9 18 2 0 4 5 6 0 13 9	10,000 6,000 8,590 10,784	Cornwall Cornwall Cornwall	110, Cannon-st., E.C. 7, Union-court, E.C. Truro. 79%, Gracechurch-st	Do (Pref.) De LamarGS Dickens Custer GS	18/6 19/6	19/6	1 0 1 0 1 0	1/- June '94	1 0 0 1 0 0 1 0 0 0 19 9	32,500 12,500 400,000 420,000	Colorado Colorado Idaho	35, Queen Victoria 35, Queen Victoria 6, Draper's-garder Winchester Ho. I
	AUSTR.	ALIA	N A	ND NEV	V ZE	ALANI	MINES.		ElkhornS EmmaS	10/8 11/8	12/-	1 0 5	-/9 July, '94	1 0 0 0 5 0 0 18 3	175,007 403,618 240,000	Montana Utah	6, Draper's-garder 15, Geo-st, Mansn. Dashwood Ho., I
chilles Gld Fld. addins Lamp G mans (Went.) G	2/6 3/8 16/3 18/9	3/6	1 0	I/- Apr. '54	1 0 0	80,307 100.000 75,000	New Zealand N S Wales N. S. Wales	3, Church Pas , E.C. 4-6, Throg. Avenue.	Garfield GS Gen. Mining Assoc. Golden Feather G	7 736 7/- 8/-	736 8/-	1 0 8 0 1 0	-/8 Dec. '88 15/- Apr. '94	0 19 8 8 0 0 1 0 0	98,185 27,469 180,000	Nevada Nova Beotia California	Suffolk House, B. Blomfield Ho., E. S. Stephen: Cs E
mana (Went.) G ngio-SaxonG setralesian G istralian C	1/3 1/9	1/9	1 0	2/- July, '89 -/6 Mar., '92 1/6 July '94	0 12 6 1 0 0 1 0 0 7 10 0	25,000 51,000	N. S. Wales Queensland Queensland So. Australia	5. Throg. Avenue. 5. Throg. Avenue. 4. Lombard-court. 6. Queen-st. place 15. Old Jewry Chbrs.	Golden Gate	7/- 8/- 5/- 6/- -/6 1/-	1/-	1 0 1 0	Ξ	0 19 6 1 0 0 1 0 0	79,600 300,259 55,507	California Montana Colorado	St. Stephens Os E 8, Draper's Garde 15, Angel Court.
ker's Creek G yley's Reward G ue Spur & G. G	1/6 2/- 22/6 25/- 4/- 16/- -/6 1/-	2/- 25/- 17/ xd 1/-	1 0	1/- June, '91 1/- June '94 -/4 July, '94	1 0 C 0 17 6 1 0 0 1 0 0	537,138 103,000 480,000	N. S. Wales N. S. Wales W. Australia New Zealand	Winchester House, Hillgrove, N.S. Wales 2, Met. Ex. Buildings 6, Gt. St. Helens'	Harquahala G Ho'comb Valley G IdahoGS Jackson Goldfields	_	9/-xd -/7% 1/4%	1 0 0 5 1 0 5 0	-/9 June '94	1 0 0 0 5 0 0 4 8 0 5 0	300,000 540,000 143,439 408,635	Arizona California Idaho California	6. Drapa's Garde 14. Cornhill. E.C 140, Le denhall-si 11. Poultry, E.C.
lliant Block G	3/- 3/6 9/- 10/- 15/- 13/-	136	1 0 2 C 2 0 0 10	-/3 July, '94 -/9 July, '94	0 18 0 2 0 0 2 0 0 C 6 3	120,000 250,000 250,000 72,000	Queensland Queensland Queensland Queensland	3-5. Gracechurch-st Charters Towers, ?, Gracechurch-st. Charters Towers.	Jav Hawk G Kohinoor "B"GS La Plata S: Maid of Erin	5/6 6/8 -/3 -/6	-/6	1 0 5 1 0	-/6 Dec. '92 -/6 June.'81 1/3 Oct. '82 4c. pshMar.'94	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	405,000	Montana Colorado Colorado Colorado Pinal Arizona.	Dashwood House Blomfield Ho., E 11, Poultry, E O. 43, Threadneedle 257, Winchester E
ker Hill Prop. 2 kn. Hill P. Bl.10 kn. Hill P. Bl.10	1/- 1/6	= 1	0 0 5 0 12/6	1/- July '94 1/- Feb. 94	0 8 0 9 13 0 5 0 0	10 ,000	N. S. Wales N. S. Wales N. S. Wales N. S. Wales	Abchurch Chambers Abchurch Chambers 117, Leadenhalist EC 117, Leadenhalist EC	Mammoth Gold Mesq. d'I Oro (P) G Mesq. d'I Oro (D) G Montana New Colorado	36 1 36 36 13/6 14/6	1 36 14/-	5 0 5 0 1 0	5% Whil ,81	5 0 0 5 0 0 0 19 0 0 17 0	10,000 10,000 657,158 65,000	Mexico Mexico Montana Colorado	Dashwood Ho., E Dashwood Ho., E Gresham House, I Abchurch Cham.
bydon King Bik. mbrind (New)G	4/3 4/9 -/9 1/3 6/8 7/6		0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-/3 June '94 2/6 Dec, '87 -/6 Mar. 93	0 12 6 0 4 8 0 5 0 1 0 0		Queensland Queensland N. Queensland Queensland Queensland	Leadenhall Big. E.C. Blomfield House E.C	N.Consolidated SC N. Gold HillG New GustonS New LondonS	-/2 -/4 15/- 17/-	-	0 5 1 0 1 0	1/- Oct. '92	0 3 6 0 19 9 1 0 0 0 2 8	248,576 191.045 110,000 327,816	Nevada N. Carolina Colorado New Carolina	15, Angel-court, 15, George-st., E. 25A. Old Broad-st. 55. Bishopsgtst.
y Dawn P. C. G glebawk	3/- 3/6 1/- 1/6 3/6	3/6	0 -	2% 1883	1 0 0 0 19 3 1 17 6 50 0 0	490,000 120,000 70,000	Queensland Victoria Bo. Australia	31, Lombard-street.	N. Hoover HillG New VancouverC Palmarejo GS Pinos Altos (N)GS	36 56 -/9 1/3 5/6 6/6	5% 1/3 6/6	0 10 1 0 1 0	-/9 Dec. '85 3% May, '94 -/6 Mar.' 90	1 0 0	120,000 215,000 418,888 150,000	N. Carolina Brit. Columbia Mexico Mexico	Langthorne Ho., 12, Old Jewry Ch 4, Copthall-buildi 110, Cannon-stree
derick the Gt G	1/6 2/-		0 1	=	0 5 0 1 0 0 0 19 6	324,290 125,000 225,000	Queensland Victoria	6-7, Queen-street-pl. St. George's House. 3-5, Queen-st. F.C.	Pittshg Con. (N) G Poorman Con Red Mountain S Richmond GSL	2/6 3/6	9/-	0 5 1 0 5 0	1/6 Mar. '88	1 0 0 0 5 0 1 0 0 6 0 0	77,147 273,948 46,696 54,000	Nevada	Buffolk House, M. 5, Copthall-bigs. I 11, Poultry, M.C. 44, Coleman-stree 22 St. Mary Axe.
boongaG	1/3 1/9 1/- 1/6 1/- 1/6	1/8	10	-/6 July, '90	0 10 0 1 0 0 0 10 0 1 0 0	150,000 146,330 500,000 88,275	Queensland Victoria Queensland So, Australia	9, Tokenhouse Yard. 8-7, Queen-street-pl. 30, St. Swithin's-lane 68, Coleman-street,	Ruby	7/- 9/-xd 12/6 15/- xd 1/3 1/9		2 0 2 0 31	-/8 Apr. '94 -/9 Apr. '94 16% % Dec. '93	0 5 0 2 0 0 2 0 0 3 1	140,265	California	138, Leadenhall-st 138, Leadenhall-st 20, Abchurch Lane
ias G. P G	1/6 2/-	3/- 2/- 19/10	0	-/6 Jan. '91 -/6 July '94	0 19 0 1 0 0 1 0 0 0 15 9	180,000	Queensland Victoria Queensland	32. Poultry, E.C.	win Lake Placers United Mexican S	1/- 1/8	1/6	1 0	1/3 Mar. '94 2/6 May, '87	1 0 0	24,564 908,654	Colorado Mexico	5, Lawrence P. Hl.1 3, Gt. Winchester
Leysbon G ontain Maid C unt Morgan G	2/- 3/- -/6 1/- 1/- 2/- 23/ 23/4xd	3/6 1/- 11/- 2/- 236 1	10	/6 May, '54 -/6 Dec. '90 -/6 July '94	1 0 0 1 0 0 0 6 3 0 17 6	185,000 157,989 56,000	Queensland Queensland Queensland	16, St. Helen's-place. 3-5, Gracechurch-st. 7, Draper's-gardens. Leadenha'l Bldgs. 50, Lime-street.	1	SOUTH	ANI	0	ENTRAL	AME	RICAN	MINES.	
Shamrock GB unt Zeeban Smithfield G w QueenG	-/6 1/- 6/6 7/-	7/-	10	3/- July, '94	1 0 0 1 0 0 0 10 0 0 19 6	275,000 193,257 48,000 158,915	Queensland Tasmania Gympie Queensland	9, Tokenhouse-yard. Mansion Ho. Cham. Queensland. 30. St. Swithin's-la.	Anglo-Chilian PfN Do, 6% Rylet MB Intio, (Pref.) G.S. Intioquia (ordiny)	434 514 92 95 —	=	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-/6 Mar. '90	1 0 0	22,823 42,453	Antofagasta Antofagasta Colombia Colombia	123, Bishops, st. V 123, Bishops, st. W 184, Gresham Ho. 184, Gresham Ho.
onixGold.PileG t PhillipG	-/8 1/-	=	10 -	/3 Sept, '92 /6 July '94	0 8 9 0 5 0 0 5 C 0 10 0	96,000 48,000 200,000 75,000	Queensland Gympie Victoria Victoria	30, St Swithin's-in. Gympic, Queensiand 57, Moorgate-st., E.C. 7-8, Gt. Wnchster St.	Dallao Bis	-/9 1/3 -/43 ₅ -/73 ₆	-/7%	2/6	1/- Apr. 94	1 0 0 2 0 0 0 2 4 2 0 0	67,000 1,330,000 125,000	Venezuela Obili Venezuela Peru	50, Old Broad-stre 123, Bishopsgt. W 57, Moorgate-st. I 52. Leadenhall str
manian Crown	- 15/10 - 15/10	=		4-5d. May. '94 -/6 Mar. '92	1 0 0 1 0 0 0 10 0 1 0 0	200,00° 150,000 125,990	Tasmania	Winchester Ho. E.C. 9, Tokenhouse Yard. 8, Old Jewry, E.C.		-/3 -/6 2½ 3½ 12/6 13/6	7/8 334 14/-	0 0	1/- April '94	1 0 0 5 0 0 0 0 0 1 0 0	75,000	Colombia Chili Venezuela Colombia	5. Copthall-bdgs., E 12. King-st., Liver Cludad, Bolivar. 10. Blomfield-stre
Blue	5/- 7/- 15/1 3/xd		0 5	-/3 July, '94 -/3 Aug. '94 -/6 Mar., '94	1 0 0 1 0 0 0 5 0 1	35,000 53,000 144,000 200,000 150,000	N. Zealand Australia ' Char, Towers Queensland	f. Crosby-square 32, Gresham-st., E.C.	Don PedroG El CallacG	3/- 3/6 12/6 17/6	4/- 17/6	1 0		1 00	71,359 133,102 257,600	Dhili Dolombia Brazil Venezuela	Manchester. 24-5, Devoneit Cal 8, Bishopagtst., V 184, Gresham Hou
nt, Priority Argentine G	3/- 4/- 7/- 9/- -/9 1/ 6/3 18/9	1/3	1 0	6/- Jan. '93	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	350,000 150,000 150,000	N. Zealand	4-6, Throgmort, Av. (HenrockG Henrock (Pref.)	1/6 2/- 4/8 5/6 3/6 5/-	22/-xd 2/3 5/6 5/-	1 0	-	0 18 6 0 16 0 0 19 6	199,548 16,232 100,000	Argen.(& Ind	3-5, Queen-street, 3-5, Queen-street, 10, Blomfield-street, 114, Unionet, Old Br
	2/- 4/-pm	4/-pm	1 0	AND ASI	0 40	- (W. Australia	28-29, B.Bwithin's-in.	HuanchaeaS Javali G Julia Nit N Lautaro N	4% 5%	61 % fr.	5 0	3/9 Oct., '93 8½ % '91 5/-Jan, '94	5 0 0 8 2 0 5 0 0 8 0 0	320,000 1 105,234 1 30,000 6 55,000 6	Bolivia	139, Cannon-street 784, Gracechurch- 76, Gracechurch-
Minor Pref. St. Do. Ord	=	= 1	0 10 0	=	0 10 0 0 9 0	42,430 51,584	Asia Minor	2, Metal Ex. Bldgs.	Lorence I	10% 11% -/6 1/- 1% 1% 2% 3% 1/3 1/9	1/- 136 336	5 0 1 0 3 0 6 0 0 2	10/- Feb. '94 3/4% Nov. '89 5/- May, '94	8 0 0 1 0 0 5 0 0 5 0 0 0 2 0	300,000 10,000 22,000 200,000	Ohili Ohili Ohili	Liverpool. 5, Copthall-building, Gracechurches 9, Gracechurches 11, Old Broad-st.
ampionReef G 31	8/- 7/- 3/6 4/6 13/6 212/s	8/6 4/6 318/16	1 0	=	0 17 C 0 17 0 1 0 0	160,000 300,000 200,600	India Burmah India	6_7, Queen-street-pl.	Macate	19/16 19/16 19/16 19/16 77 80 1/6 2/6	=	1 10 1		1 0 0	130,000 130,000 £260,000 30,000	Parapaca Parapaca Parapaca	50, Lime-street, E 50, Lime-street, E 50, Lime-street, I 10, Blomfield-street
romandel G	-/3 -/6 1/- 2/-	2/-	1 0	=	1 0 0	200,000 200,000	IndiaIndia	Dashwood Ho., E.C. 6-7, Queen-stplace.	Pac. & Jaspampa N PanulcilloC PrimitivaN	356 356 x,d	=	1 C 5 C 2 O 6 O	1/- Nov.'89	0 18 6 6 0 0 2 0 0 5 0 0	80,000 72,000 112,500 40,000	Braxil Parapaca Dhili	8. Queen-street-pla 3. Gracechurch-st. 13. Great St. Hele Liverpool.
idFidsMysoreG idFidsSi m G rderabad Dec impinkoteGdFd	3/3 3/9	21/3	1 0 1	1/- Jnly '93	1 7 6 1 0 0 1 0 0 10 0 0	220,000 150,000 116,000	India Blam Deccan	6-7, Queen-street pl. 19, St. Swithin's-lane. 16, St. Helen's-place.	Rosario	5 5 5 1/2 103 105 20/- 22/- 11/4 2	105 1	000		8 0 0 6 0 0 1 0 0	120,000 2475,000 272,435	Irasil	38, Nicholas Lane. 574, Old Broad-stre 574, Old Broad-stre 28, Tower-chmbrs.
r. Harnhalli G	1/9 2/5 1/9 2/5 12/- 13/-	29/16 2/3 14/- 7/6	1 0 1	2/- July, '84	0 3 0 1 0 0 0 18 0 0 19 6 1 0 0	250,000 100,000 134,788	India	6-7, Queen-stplace. 6-7 Queen-street pl. 2, East India Avenue 6-7, Queen-street-pl.	lan DonatoN lan JorgeN lan PabloN lanta BarbaraG	5% 6 3% 3%	334	0 10	10/- May '94 156 % Apr., '94 1/3 Dec. '88 5/- Nov. '93	6 0 0 8 0 0 0 10 0	75,000 32,000 60,000	Obili	12, King-st., Liver 9, Gracechurch-st. 3, Gracechurch-st. Liverpool 3, Gracechurch-st.
rbudda Coal &In ne ReefsG	3/- 3/6 3/6 3/6 2/- 2/6 1/6 2/-	3/6 3/6 2/6 1/6	1 0 0 0 0 10 0 10	=	1 0 0 2 11 0 0 10 0 0 9 0	250,000 1 49,639 1 50,000 1	India	Dashwood Ho., E.C. 213, Gresham House 6-7, Queen-street-pl.	anta Elena N lanta Rita N lan Bebastian N legovia G	3% 3% 1% 2%	356 256	5 0 5	5/- Nov. '93 15% Apr., '94 1/6 May '94	5 0 0 5 0 0 0 4 0 0 15 0	20,000 C 29,000 C	Colombia	Dashwood House, I Dashwood House, I S. Contha'l-buildin
wegum (Df.O.)C	3 3%xd 3 3%xd	38/- 1	0	1/- Mar. '94 1/6 July, '94 1/- July, 94 1/- July '94	1 0 0	200,000 1 145,000 1 96,536 1	India	6-7, Queen-street-pi.	etuan	= 1 1%	=	0 0	8% July '94	0 19 6	10,000 C	olombia	23, 8t. Swithin's in 23, 8t. Swithin's in 5, Copthall-buildin 18, Finsbury-circus 18, Finsbury-circus
nang Corpn	7/- 8/-	8/- 1	0 1	5 % Apr. '29	1 00	203 070	Malay Panin	Blom Asid ST. B.O.	District M. Street	- 10	-74	1		0 5 0	200 000 3		There does de deserve

"THE MINING JOURNAL" SHARE LIST (AFRICAN MINES).

Tame.	Cleaing Price. July27,1894.	Chosing Price, July 20, 1894.	Par.	Latest Dividend.	Called up Per Share,	Amount of Stock or No. of Shares Issued.	Situation of Mine.	Head Office.	Name.	Closing Price, July 27, 1894	Closing Price, July 20, 1894.	Par.	Latest Dividend.	Called up Per Share,	Amount of Stock or No. of Shares Issued.	Situation of Mine.	Read Office.
Africkander G Agnes Block G Appantoo G Aurora G AuroraWest, New G Balkis Eersteling	9/- 11/-	21/3 12/- 6/- 6/-	& s., 1 0 1 0 1 0 1 0	57 Mar. '93	£ s.d. 1 00 1 00 1 00 1 00	40,000 78,507 71,000 65,000 80,000	Transvaal Transvaal West Coast Witwatersrdt. Witwatersrdt.	19, St. Swithin's-lan, 54, Old Broad-street, 9, New Broad-street, 8, Old Jewry. I	Mashon, Central Matabeleland Metropolitan (N) G Meyer & CharlG	5 5%	11/3 534 xd 14/-	0 12/6 1 0 1 0 1 0	25 % June '94 3% May '94	& s. d. 1 0 0 0 12 6 1 0 0 1 0 0		Mashonsland Matabeleland Witwatersrdt. Witwatersrdt. So. Africa	8, Old Jewry, E.C. 73, Basinghall St. M.O 1. Crosby Square, I Warnford-court, I 130, Winchester Ha.
Balkis Land	-/9 1/-	1/6 1/-	0 10 0 10 1 0	= -	0 9 6 0 10 0 1 0 0	520,000 520,000 200,000	Transvaal Transvaal Witwatersrdt.	1, Crosby Square.; 85, Gracechurch-st, 85, Gracechurch-st. Johannesburg.	Mines Trust	6/6 7/6	16/- 34 7/-	1 0 1 0 1 0	3/- Peb. '90 -/4 May '90	1 0 0	200,000 70,000 240,000	Witwatererdt, De Kaap De Kaap	Warnford-court. 7 65, New Broad-street 8, Old Jewry. 7
Bantjes BeefG BarrettG Bechuanaland Exp. Black Reef (New)	14/6 15/6	18/- 3/- 24/6 6/6	0 10	=	0 90	83,000 207,496 200,000 76,000	Witwatersrdt. De Kaap Bechuanaland Witwatersrdt.	Warnford-court. 1] 17, Basingball-street 19, St. Swithin's-lane 9, King William st]	Mosambique	15/16 11/16	13/9 18/9 1% xd	1 0 1 0 1 0	2/6 July '91 10 Z June, '94	1 0 C 2 0 G 1 0 O	400,000 194,331 70,000 100,000	8 B. Africa Namaqualand. Witwaterardt, Lydenburg	Broad-street House, 34, Leadenhall-blds. 8, Old Jewry, E.O. 29-39, Holborn-viads.
Block "B" Lang, Booysen Land Brit, S. A. Char	5/- 6/- 5/- 7/- 31/- 32/-	7/- 7/- 29/- 30/-	1 0 1 0	Ξ	1 00	535,000 95,000 2,000,000 250,000	Witwatererdt. Transvaal S. Africa	8, Princes-st . E C. 4. Tokenhouse-blds. 19, St. Swithin's-land	New Crossus G New Edwin Brav New Gordon D	3/6 4/6 12% 13	15/1n 3/6 4/3 131/4	7 0	5 % Aug. '92 5% Dec. '89 5% Mar., '94	1 0 0 7 0 0 1 0 0	195,000 65,000 560,250 100,000	Langlaagte De Kaap Griqualand Transvaal	4, Bishopsgtst. Wt. 23, College Hill* 110, Cannon-street. 5, Copthall-building
Buffelsdoorn G Dape Copper C Do. 6 % Pref Cen. Montrose G	11% 1% xd	13/xd 125/16 xd 2/-	2 0 1 0	1/3 June '94 1/3 June '94	2 0 0 2 0 0 0 17 0	300,000 45,000 149,000	Potchefstroom Cape Colony Cape Colony. Transvaal	8, Old Jewry. 9, Queen-street-place 9 Queen-street-place 10, Throgmorton Av.	New JagerstD New Louis D'Or G New PrimroseG New Riet/ontein G		4/9 4% 20/-	1 0 1 0	20% July '94	1 00	100,000 230,000 160,000	Witwatersrdt. Witwatersrdt. Witwatersrdt.	53, New Broad-street 2. Draper's-gardens. Warnford-et., E.C.1
Champ d'Or G Thamp d'Or Deep G Dity and Suburb. G Doetzeestroom G	136 136	1334	1 0 1 0 5	25 % Mar. '94	1 0 0 1 0 0 0 5 0	116,016 275,000 75,000 140,000	Witwatersrdt, Witwatersrdt, Witwatersrdt. De Kaap	8. Old Jewry, E.C. Fox st., Johannesbrg 1, Crosby Square.! 105, Leadenhall-stree	New Spes Bona N Ophir Concess. Nigel G Nooitgedacht E. G	4/- 6/- -/9 1/3 234 236	1/3 2%	1 0 1 0 1 0	15% June '94	1 0 0 0 18 6 1 0 0	113,801 111,857 160,000	Witwatersrdt. E. CoastAfrica Witwatersrdt. Lydenburg	24, N. John-st., L'pl 31, Lombard-street. 1, Crosby-square. 3, Old Jewry.
Don. Bultfontein D Don. Deep Levels G Don. G. Fields S A.	26/- 27/- xd 15/6 13/4 23/4 23/4	27/-xd 13/4 23/16 993/4	1 0 1 0 5 0	5% Nov. '89 4/- June '94, 10% Nov. '93	1 0 0 1 0 0 5 0 0	721,500 187,250 1,250,000 6(0,000	Griqualand W Transvaal S. Africa	62, Lombard-st. 30, St. Swithin's-lane 8, Old Jewry.	Oceana Develpmnt Orange F.S.E D	11/18 19/16 1/16 1/16die 3/4 3/4	19/16	1 0	25/- Nov. '89 1214 Mar. 94 10% June '94	1 0 0 0 5 0 1 0 0	150,000 50,000 284,000 30,000	Transvaal Transvaal OrangeF.State Witwatersrdt.	4. Sun Court, E.C. 4 Sun Court, E.C. 10, Moorgate-street, 10, Basinghall-street
Do. 514 % Deben Crown ReefG De Beers Consol, D De. 514 % 1st Deb.	99% 100% 7% 8% xd 14% 14% 102 103	81% xd 14% xd	1 0	5½ July, '94 25 % May '94 12/6 June '94 5½ % Feb. '94	1 0 0 5 0 0 5 0 0	120,000 789,791 £1,875000	S. Africa Witwatersrdt. Transvaal Transvaal	8, Old Jewry. 23, Austin Friars.? 62, Lombard-street. 62, Lombard-street.	Orion	1/6 2/- 18/- 20/-	2/3 21/-	1 0 1 0 1 0	5p.c. Apr. '94	0 19 3 1 0 0 1 0 0 0 10 0	437,888 138,750 12.000	Kimberley Transvaal Tweffontein	113, Cannon-st., E.C. 29-30, Hol. Via., B.O Cape Town.
Do. 5%% Bul. Ob. Durban Roodept.G East Rand	1023/2 1033/2 53/2 53/4 xd 11/- 12/-	103 ½ 5¾ xd 13/-	1 0 1 0	5%% Apr. '94 3/- June '94	1 00	£720,100 £125,000 570,000	Transvaal Witwatersrdt. Witwatersrdt.	62, Lombard-street. 28, Leadenhall-bldg 170, Winchester-bo.]	Pardy's Mozambq. Piggs Peak, New G Potchefstoom G Princess Estate G	1/8 2/6	2/6 2/6 20/-	1 0 1 0	10p.e. Apr. 94	0 16 6 1 0 0 1 0 0	230,326 161,000 72,046	S. E. Africa Swazieland Potchefstroom Witwatersrdt,	Broad St. Avenue. 6, Queen-street-place 19, Bury-st., E.C. 33, Cornhill, E.C.
Evelyn	_	22/6 pm 3% 734	1 0 1 0 1 0	10 % Jan. '89 1/- Dec. '93 25/- Feb. '34 100 % June '94	1 0 0 1 0 0	68,000 148,000 69,350 45,000	Witwatersrdt. 8. Africa 8. Africa Witwatersrdt.	28. Old Jewry. E.C 30, S. Swithin's-ln. 19, S. Swithin's-ln. 29, Holborn Viaduct.	RandfonteinG Rand Mines Read's DriftD RobinsonG	8/6 9/8	15/6 836 10/- 634	1 0 1 0 5 0	5% June '94	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,916,500 332,798 50,000 543,750	Witwaterardt, Witwaterardt, Transvaal Transvaal	59, Holborn Viaduct., 29-30, Holborn Via, 19, Finsbury circus, 55, Holborn Viaducti
Ferreira	3/- 5/- 3 3% 4% 4%	5/- 31/4 5	1 0 1 0 1 0 1 0	10% Mar. '93	0 19 0 1 0 0 1 0 0	105,000 265,000 187,500 150,000	De Kaap Transvaal Witwatersrdt. Witwatersrdt.	45-6, Leadenhall-st. 30,8t, Swithin's-lane 29 & 30, Hol. Viadue: Warnford-court, E. C.	Roodepoort Un. G S. Augustine (N) D Salisbury NewG ShebaG	234 234	256 -/9 214 27/6	1 0 1 0 1 0	1/- July, '94	1 0 0 0 19 0 1 0 0	100,000 234,583 93,000 614,450	Witwatersrdt. Griqualand W Witwatersrdt. Lydenburg	Warnford-court. 1 30-1, 8t, Swithin's-ir 1, Crosby-square. 1 85, Gracechurch-st.
Do. Main Reef George and May George GochG GlencairnG	8/- 9/- 18/9 21/3 31/6 33/6	21/3 33/6	1 0 1 0 1 0		1 0 0 1 0 0 0 10 0	112,750 100,000 200,000 130,000	Witwatersrdt. Witwatersrdt. Witwatersrdt.	Warnford Court, E.C. Johannesburg. 2. Drapers-gardens.	Silati	7 71	3/- 734 25/- 19/16	1 0 1 0 1 0	10 % May '94 10 % April '93	0 16 0 1 0 0 1 0 0	625,000 85,000 220,000 12`,000	Zoutpansberg. Witwatersrdt. South Africa Witwatersrdt	4, Bun Court, E.C. 33, Cornhill. 8, Old Jewry.
Gold Estates TG Gld. Fis. DeepG F. F. of Mashonld. F. F. Tierra d' Fuego	3/6 4/6 75 15/16 12/6 15/- 2/13/ 2/43/	16/3 2/41/4	1 0	15% Dec.'89	1 0 0	800,000 200,000 400,000 150,000	Transvaal 8. Africa Mashonaland Mosambique	46, Queen Victoria-s: 8, Old Jewry. 19, St. Swithin's-in. 2, Tokenhouse Bidgs.	Spitzkop (New) G Stanhope	2 2½ 4/3 4/9	4/3 21/4 5/	1 0 1 0 1 0	50% May. '93	0 19 6	99,070 34,000 220,000	Lydenburg Witwatersrdt. Zoutpan: berg.	31, Lombard-st., E.C 15, Biebopsgt-st, Wt 1, Crosby Square.] 3, Budge-row, E.C.
Prahamstown G Praskop	7/6 8/6 -/9 1/3 6% 7 xd 2% 2%	3/6 1/3 7 xd 211,16	1 0 0 5 10 0 1 0	214 % Mar. '92, 4% March '94	1 0 0 0 5 0 10 0 0 1 0 0	500,000 105,700 100,000	Witwatersrdt. Lydenburg Transvaal De Kasp	14, Throgmorton-at 85, Gracechurch-st. 62, Lombard-street Warnford-court,	Trans, Coal Trust Trans, Est. & Dev.	12/- 13/- 8/6 9/6	/6 13/- 9/-	1 0 5 1 0 1 0	2%% May '94	1 0 C 0 4 0 1 0 C	96,00° 150,000 439,965 285,700	Witwatersrdt. Barberton Witwatersrdt. Transvaai	8, Old Jewry. 15, Angel-court, E.C Broad- t, House, R.C 76, Old Broad-st. E.C
Heriot (New)G loe's Luck G Johannesburg Par	2% 2% 4 4% 1/- 2/- 3% 3% 5% 5%	4% 2/- 3% 5% 4%	1 0 1 0 1 0	1216 % Nov., '93 30 % Aug. '94	1 0 0 1 0 0 1 0 0	195,000 57,404 21,000 30,000	Witwatersrdt. De Kaap Witwatersrdt. Witwatersrdt.	1, Crosby Square,? 11, Queen Vic,-st. Johannesburg. 8, Old Jewry.?	Frans. GoldG Frans. Land Frans. Land TressuryG	5/3 5/9 1/6 2/6	1 15/18 5/9 2/6	1 0	1/- June '94 - 7%% May '94	1 0 0 1 0 0 0 15 0 1 0 0	250,000 79.915 169,999 26,000	Transvaal Transvaal Witwatersrnt,	Suffolk House, E.O. Suffolk House, E.O. 33, Cornhill. Johannesburg.
Jubilee	3% 4% 3/14 5/10 DM 6/6 7/6	41/6 1/6 111/6	1 0 1 9 1 0	30% June '94	1 0 0 0 10 0 1 0 0	100,000 98,672 125,000 150,000	Witwatersrdt. Kimberley Kimberley Witwatersrdt.	29, Holborn Viaductj' 19, Finsbury circus. 2, Drapers-gardens. 8, Old Jewry.	Turffontein Est, Un. Ivy ReefG Un. Langlaagte	13/9 16/3 10/- 12/6	16/3 15/- 15/6	1 0 1 0 1 0	2% Jan. 94 2% Jan. '94	1 0 0	45,000 45,000 100 000 99,810	So, Africa Transvaal Witwatersrdt. Witwatersrdt.	130. Winchester Ho. 110. Cannon-street 23. St. Swithin's-In. 1. Crosby-square. I
Kleinfontein (N)G KlerkedorpG Langiaagte Est. G Do. Royal	19% 111% 1/3 1/9 4% 4% 2% 2%	1/9 436 236	1 0 3 0 1 0	12 1/2 % Z June '94 5 % Sept. '93	1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	150 007 467,000 100,000 889,233	Transvaal Witwatersrdt, Witwatersrdt,	110, Cannon-street. 59, Holborn Viaduct.; 2, Drapers-gardens.	Victory Hill G Village Main Reef Virginia (New) G	314 314 2/9 3/3	33/ ₄ 3/3	1 0 10 0 10	=	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	108,000 132,00 48,335	De Kaap Witwatersrdt. Transvaal	Portland House, E.Q. 8, Old Jewry. 26, Budge-row, E.C.
London & B. A. Ex. Luipaards Vlei Est. Do. do. do.	1/9 2/3 10% 11 7/6 8/6 34 % 8/9 11/3	2/6 11 9/-	2/6 0 10 1 0 1 0	3/- June '94 6% Mar, '90	0 10 0 1 0 0 0 10 0	100,010 319,003 25,000	S. Africa Witwatersrdt. Witwatersrdt.	110, Cannon-street. 19, Finsbury-circus. Warnford-court. J 8, Old Jewry.	Wassau	436 456 536 636 21/6 22/6	4 1/4 6 1/6 22/6	1 0 1 0 1 0	10% Nov. '91	1 0 0	30,000	Gold Coast Witwateredt Mashonaland., Witwatersedt.	147, Cannon-street, 19, Bury-street, It 19, St. Swithin's-land 19, Bury-st., E.C.
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THE EDITOR'S LETTER BOX.

do not necessarily endorse, the opinions of correspondents. All com-munications must be accompanied by the names and addresses of the senders, though these need not necessarily be published.

NATIONAL ASSOCIATION OF COLLIERY MANAGERS.

TO THE EDITOR OF "THE MINING JOURNAL."

EAR SIR,—I enclose correspondence with the financial secretary as to the existing mode of disposing of the funds of the association without the sanction of the finance committee or of the council.—Yours faithfully,

M. Walton Brown.

Westmorelands, Low Fell, Gateshead, 18th July, 1894.

28th June, 1894.

DEAR SIR,-I enclose formal receipt for cheque herewith, and DEAR SIR.—I enclose formal receipt for cheque herewith, and trust that you will advise me as to the next meeting of the finance committee, to which I was elected at the meeting in London in March, as the colliery managersays:—"The president very adroitly suggested the addition of another gentleman to the finance committee, which, being unanimously agreed to, there will probably be no further need to question the manner in which the accounts are submitted,"—Yours faithfully,

Wm. Saunders, Esq.

Derby, 4th July, 1894.

DEAR SIR,—I am in receipt of yours of the 28th ultime, and of course shall inform you, as well as the other members of the finance committee, when any meeting is convened.

Yours faithfully, WILLIAM SAUNDERS,

M. Walton Brown, Esq.

July 5th, 1894. DEAK SIE.—I am very strongly of opinion that no payment should at any time be made without the recommendation of the finance committee and resolution of the council. This protest is made as a member of the finance committee and of the council. Yours faithfully, M. WALTON BROWN.

W. Saunders, Esq.

Derby, 6th July, 1894.

ated the 5th inst. WILLIAM SAUNDERS, DEAR SIR,-I am in receipt of your Yours truly, M. W. Brown, Esq.

THE SOUTH AFRICAN TRUST AND FINANCE COMPANY, LIMITED.

TO THE EDITOR OF "THE MINING JOURNAL."

SIR,—Being large shareholders in the above (holding some 10,000 shares) may we be permitted through your columns to draw the attention of the directors to the serious injury that is resulting from their resisting independent investigation? Nothing can damage the Trust more than being under the dark cloud of suspicion; and confidence cannot be restored until the shareholders have seen for themselves whether the company has been properly administered.—We are, Sir, yours, &c., Signed.

Signed, Edwin F. Fitch, A. Pye Smith,
A. Wells,
W. W. Read,
W. H. Bumpus,

M. Reeve, H. Hosegood, A. Cornforth, C. Bensley, H. Hilbery, W. C. Morgan.

MINING IN CORNWALL

AND DEVON: NOTES ON WESTERN MINING, EDITORIAL AND OTHERWISE,

THE general meeting of shareholders in the Wheal Friendly Mine passed off in a manner that can hardly fail to be satisfactory to the shareholders. More money is wanted, but the circumstances originating the want are such as to make it arather more desirable fact than would be the eventless declaration of a small dividend to the state of the circumstances originating the want are such as to make it arather more desirable fact than would be the eventless declaration of a small dividend. Mr. Hancock, who is second to none in his knowledge of the property, proclaimed the existence of two valuable lodes—the Pink and Flat lodes—in the mine, and pointed out that either of these of itself would warrant the expenditure of that comparatively small sum of capital necessary for the sinking of a shaft, and the erection of the required machinery. The proposal for the conversion of the company into a Limited Liability concern will arouse regret in the minds even of those who are determined as to its expediency. The good old Costbook principle has been so long associated in the mind with Cornish mining that any change to the more elaborate methods of contemporaneous working cannot but go against the grain. It is as if an old institution were being dismissed into the shadowy past, and such a step must arouse some feeling in the mind of anyone but a Philistine. It is, however, for the shareholders to say whether the policy proposed for their acceptance carries the advantages which alone justify such an innovation, and in the consideration of the question they will do well to remember that it has been evolved by men who are in the v ry first rank of those engaged in Cornish mining, and who have a wide and deep knowledge of the industry as carried on in the western counties.

With the slight rise which took place in tin in the early part

With the slight rise which took place in tin in the early part of the week, there was a rather better tone in the Cornish share marked, but up to the present no marked increase in business has taken place, and there is a strong disposition on the part of holders to retain their shares in hopes of the better time that has now been so long coming, but which they do not yet despair of seeing. There have been so many false alarms in connection with a slight advance in tin that people are not likely to invest largely until they are satisfied that the turn has really come, and that the upward tendency has some element of permanency.

There is very little alteration in many of the mines. All are struggling to the utmost of their power against the adverse conditions, and it is extremely gratifying to see the large amount of mineral which the mines continue to raise. At Dolcoath the work of forking progresses very satisfactorily, although, as we have once or twice intimated, it is attended with considerable difficulty and numerous minor hindrances. There was quite a scare last week on a report which was very freely circulated that there had been another run. Fortunately nothing serious has happened, but the agents are much concerned at a rise which the water made in the mine of several feet, and even at the present time this is unaccounted for. It is presumed that a small portion of loose ground fell away in the 400, but this cannot be ascertained until the level has been drained. They are now down to the 400, and when the water has been got out of this level they will be able to return some of their valuable ground, and an increased output may be expected. output may be expected.

An alarming report was also circulated about the same time in regard to South Crofty, where it was stated that a run had taken place, and that three men had been imprisoned. This, too, proves to have been utterly unfounded. No run has taken place, and no men were imprisoned. A slight accident did

happen in the mine, but it was nothing more serious than the running away of the skip for a very short distance, and the knocking down of three or four timbers. This mine is opening out remarkably well, and but for the unfortunate price of mineral would be able to render a better account of herself than she has done for several years past.

WHEAL BASSET shareholders met on Tuesday, and their accounts for 13 weeks showed a loss of £1292, caused by their inability, in consequence of breakages, to return quite so much tin as usual. Captain Frank Oats, the largest shareholder in the mine, who has just returned from largest shareholder in the mine, who has just returned from South Africa, was in the chair, and it is apparent from the encouraging remarks which he made, that although his banking account must have been appreciably diminished by the calls made at Wheal Basset, he has not lost confidence in the mine or its management. The most satisfactory announcement at the meeting was that an arrangement has been effected with the South Frances committee with regard to the water difficulty. meeting was that an arrangement has been effected with the South Frances committee with regard to the water difficulty. We understand that the South Frances executive will endeavour to keep the water in fork to the 160, and that the agents of each mine will inspect the other property. It is obvious that a difficulty such as this must be met by a little mutual give and take, and from the first we had no doubt but that with men on the committees of each possessing so intimate a knowledge of such matters a modus vivendi would be arrived at.

THE mine accident fund for Devon and Cornwall is, in spite of the cold water which was thrown on it at the time of the inof the cold water which was thrown on it at the time of the introduction of the Employers' Liability Bill, at last fairly started, and the treasurer was able to report to the committee on Monday that of the £2800 promised in donations £2400 has been actually paid into the bank, and is now on deposit. Now that people know the fund is really in existence there will doubtless be more valuable donations and subscriptions forthcoming. It is obvious that the amount of £2400 is altogether inadequate to meet the demands which will be made upon it. At the next meeting of the committee steps will be taken to form local district committees for the investigawill be taken to form local district committees for the investiga-tion of the necessities of cares and the administration of the

REPORTS FROM THE MINES.

w that, coving to the unst members of minu of mining intel p to, and frequently after the time of going to press—it is imposed anter the insertion of all of them in the issue in which, in ordina course they should appear. We should endeavour, however, to make this important feature as complete as possible, and if the secretaries of minic geompanies, mining captains, and others would kindly make an effort to be their reports, etc., reach us early on Pridays, when it is not possible to let us have them earlier in the week, their doing so would go fix to ensure their unsertion, and to promote the completeness of our Mining Intelligence.

BRITISH MINES.

COOK'S KITCHEN.—July 25: The 420 east of engine shaft is holed to the level driven west from No. 3 winze. Since holing we have sunk the engine shaft 6 feet under the 420, and are now cutting plot and fixing tram road, which will be completed in a few days, when we shall be ready for drawing stuff from that level. We shall then commence to drive the 420 west of engine shaft. The 420 east of engine shaft is worth £15 per fathom. The 380 east of engine shaft is worth £12 per fathom. The 380 east of engine shaft is worth £14 per fathom. The 355 east of engine shaft is worth £16 per fathom.—The 355 east of engine shaft is worth £10 per fathom.—Jostah Thomas, Charles Thomas, Thomas Wren.

DEVON GREAT CONSOLS.—William Clemo, July 26: Watson's engine shaft. In the 172 fathom level east the lode is 44 feet wide yielding 2 toos copper and mundic eres per fathom. In the 160 fathom level east the lode in 34 feet wide, producing 1

ton of copper and mundic ores per fathom. In Harvey's rise in the back of the 160 fathom level east the lode is 3 feet wide composed of capel and quarts. In Bawdon's winze in bottom of 148 east the lode is yielding 3 tons copper and mundic ores per fathom. The stopes throughout the mines are turning out large quantities of mundic ores.

GREEN HURTH.—July 20: Annie's Vein. At the south forehead the vein has widened out, and shows a decided improvement for lead. The beds are dipping rapidly southward. The end is worth 1½ ton per fathom. The heading in the back of the above is somewhat poorer this week worth 1½ ton per fathom.—Annie's Vein North. The working continues as last reported, worth 1½ tons per fathom.—South West Branch, The vein at south forehead is producing some fine lumps of lead, worth 4½ tons per fathom.—Orosscut West, The crosscut west from No. 1 vein has been driven over 3 fathoms. We are still meeting with strong leads containing about 1 inch of ore. These are diverging to the south west.—W.

about 1 inch of ore. These are diverging to the first the rein in the 160 fathom level, driving south of Jeffrey's, shaft has slightly improved in character, and at times contains good patches of ore. The 160 fathom level, north of Wilson's shaft, is going forward in a improved in character, and at times contains good patches of ore. The 160 fathom level, north of Wilson's shaft, is going forward in a vein 4 feet wide, still soft and poor. In No. 2 winze sinking below the 145 there is no change worthy of remark. The 145 fathom level, north of Jeffrey's shaft, is being pushed forward in a vein 3 feet wide, strongly mixed with spar, but unproductive. In the two stopes over the 145, north of Jeffrey's shaft, the vein varies from 3 to 4 feet wide, and will produce 30 cwts, of lead ore per fathom. The vein in the 115 fathom level, driving north of Jeffrey's shaft, is 5 feet wide, composed mostly of spar and stone, snotted with lead ore. No. 1 stope over the 115, north of Jeffrey's shaft, is worth 20 cwts, of ore per fathom. In the 100 fathom level, south of Wilson's shaft, the vein is 4 feet wide, harder than of late, and carrying a good mixture of spar. No change of moment in the 100 driving south on eastern part of vein. The crosscuts east and west at the 100 are being continued regularly in hardish ground. The vein in No. 1 stope over the drift above the 100 is worth 100 cwts. of ore per fathom. No. 2 stope over ditto will yield 80 cwts. of ore per fathom. No. 1 stope over the 85 south of Wilson's shaft will produce 30 cwts. of ore per fathom. In the crosscut east at the 70 fathom level south of Wilson's shaft we have intersected and passed through a vein 20 inches wide, composed chiefly of spar, iron pyrites, and stone. The crosscut is being continued a short distance farther to fully prove this point. In the several other bargains no material change has occurred. All surface works are going on regularly.

PRINCE OF WALES.—S. Roberts, J. Prowse, July 25: The ground in the crosscut is somewhat easier for driving during the week, and of a highly mineralised character. The quantity of water is the same as for some time past.

ELKHORN.—Copy of Mr. C. A. Molson's monthly report for

ELKHORN.—Copy of Mr. C. A. Molson's monthly report for June: I beg to hand you the following report of our work for the month of June:—Mine, Ore Breaking Department. 550 feet Level, South End. A stope has been started on a 30 inch band of dry ore occurring at the breast of the drift; its value is 31 ounces.—650 feet Level South, No. 2 Stope. The vein is 2 feet wide, and the value 40 ounces. No ore was hoisted from this place during the month; it is stored in the drift until needed.—750 feet Level North. Crossout Raise Stope, The vein is 30 inches wide, and assays 35 to 40 ounces. The usual bunches of lead ore are met with lying against the sandrock.—Inside stope. The vein is 8 feet wide and the value 45 ounces. The raise which is being put up in ore has not yet connected with the 650 stope. The ore is all of the milling class.—850 Feet Level North. Connection has been made here with the 750 feet north level. The height of the raise is 114 feet. The average width of the ore is 6 feet, and the value 46 ounces. At the south end of the stope some bunches of rich lead ore occur on the footwall.—950 Feet Level North, South end, The vein is 3 feet wide, and the value 55 ounces.—Back stope. The raise at this leads of the value taken the large. on the footwall.—950 Feet Level North. South end. The vein is 3 feet wide, and the value 55 ounces,—Back stope. The raise at this place is up 118 feet above the level. The vein is 5 feet wide, and the value 42 ounces. The ore is mostly of the dry milling class.—1050 Feet Level South. Back stope. Connection has been made here with the bottom of the 950 feet level diamond drill stope, showing the continuity of the orebody. The vein is 3 feet 6 inches wide, and assays 30 ounces.—North of the shaft, outside stope. The vein at the north end is 4 feet wide, and assays 48 cunces. The ore is all of the dry class.—Inside stope. The vein is 18 inches wide, and assays 55 ounces.—1150 feet level south, south end stope. The vein is 18 inches wide, and assays 30 ounces.—1250 feet level north, raise stope. The vein is 5 feet wide and assays 50 ounces. Connection has been made here with the 1150 feet level. No ore was hoisted from this place Iso feet level south, south end stope. The vein is 18 inches wide, and assays 30 ounces.—1250 feet level north, raise stope. The vein is 5 feet wide and assays 50 ounces. Connection has been made here with the 1150 feet level. No ore was hoisted from this place during the month.—1350 feet level south, footwall crosscut, north end. The vein is 2 feet wide, and assays 160 ounces and 18 per cent. lead.—Centre stope. The vein is 16 feet wide and assays 29 ounces.
—South end stope. The vein is 3 feet wide and assays 29 ounces. South end stope. The vein is 3 feet wide and assays 40 ounces. The ore is dry with occasional bunches and bands of high grade smalting ore.—1450 feet level north, raise stope, south end. The vein is 6 feet wide. The footwall portion, 2 feet in width, assays 40 ounces, the balance of the vein being low grade.—South of the shaft, back stope. The vein is 8 feet wide and assays 88 ounces and 10 per cent. lead.—Centre stope, foot of main raise. The vein is 7 feet wide, of which 4 feet is smelting ore, assaying 120 ounces and 12 per cent. lead. The balance of the vein is 2 feet wide, and assays 30 ounces.—South End Stope. The vein is 2 feet wide, and the value 46 ounces. The ore has changed from the smelting to the milling class.—1650 Level South, Inside Raise Stope. A raise and stope has been started at a point 720 feet south of the shaft. The vein is 2 feet wide, and the value 80 ounces. The ore is dry,—Prospecting Department. 1250 feet Level North. A prospect raise has been started on a bunch of low grade quartz at a point 105 feet north ore chute. The raise is in quartz, which is of too low grade to save.—1550 feet Level South. Previously reported, 643 feet 7 inches; advanced in June, 39 feet 7 inches; total length 1st July, 683 feet 4 inches. This drift was extended to prove the upward extension of the inside ore chute on the 1650 feet level worth. No ore was found at the turn in the hanging wall, so the drifting was stopped. Prospecting will be continued from the 1650 feet level.—1650 feet lev 48 cars, 1650 level 375 cars, 1650 level 356 cars, 1650 level 48 cars, 1650 level 492 cars; total cars boisted, 1995. Number of tons, 1305.—Milling Department, The mill ran steadily during the month. The new dust chamber is completed and working very well. A broken cam shaft caused some delay at the battery, but the pans were not affected.—Table of work performed in June. Ore on hand June 1st, 1894, 70 34 tons, raised from the mine 1305 tons, less smelting one 184.25 tons, waste surred out 150 tons, 324.05 tens of 0.075. June 1st, 1894, 70 34 tons, raised from the mine 1305 tons, less smelting ore 184-25 tons, waste sorted out 150 tons, 334-25 tons, 970-75 tons, add for salt 152-87 tons, dry ore panned 1136-32 tons, pulp in mill 17-64 tons, rough ore in stock 40 tons; 1193-96 tons, 1193-96 tons. Table of Mill Work. Dry tons panned, 1136-322 tons. Average assay value, 4-50 ounces. Average percentage salt used, 14 per cent. Average value of tailings, 3-18 ounces. Average percentage saved, 93-01 per cent, Number of Doré bars produced, 41 bars. Number of ounces fine silver, 40,572-92 ounces. Number of ounces pore gold, 28-970 ounces. Batteries in service, 25 days 15 hours. Pans in service, 29 days. Estimated value of bullion shipped, \$24,345 Actual returns for ore shipped, 13,348-40.—\$37,693-40. Current expenses, including salaries, labour and supplies, &c., 21,672-53. Balance, being profit for Jone (or at \$4-65 to £ sterling, £3303, \$16,020-87.—Sarface department. The strike on the Northern Pacific Railroad, which keeps here on the 27th Jone, preparated the shipment of smelting ore after that date, and the road is still tied up at all Western points. The mine supplies are shipped to Equider and freighted on waspus from that point. The stock of sait on hand freighted on waspus from that point. The stock of sait on hand ing ore 184 25 tons, waste sorted out 150 tons, 334 25 tons, 970 78

is sufficient to last us for about six weeks. Everything about the works is in good order.

LOMA.—The mine superintendent reports under date June 20 as

follows: Operations. I am glad to say that all the breaks in the ditch have now been repaired, and we are now running steadily, and a very fair amount of gravel is being washed away. We hope to clean up at the month.—Soto Mine. The other day we made a start clean up at the month,—Soto Mine. The other day we made a start in this mine whilst moving monitor ahead in the other front, and we are now laying more sluice. Next month we may be able to make a run in this mine. LIONSDALE ESTATES.—Extract from letter received from

LIONSDALE ESTATES.—Extract from letter received from the manager, dated Lionsdale, 25th June: We are approaching very close to the point of junction of all the different leaders, which I hope to reach if our dynamite lasts out in the course of this week. On Monday last we were following a good 3 feet reef, but as was to be expected, in nearing the junction, it is to-day pinched and broken up, but I fully expect within a few feet to have a good wide solid reef giving regolar results.

NEW VIRGINIA TRANSVAAL.—The manager writes under date June 23: I am very glad the Heather Bell ground has been purchased, and, as I have always said, I consider it a most valuable acquisition to the company's property. It can be worked cheaply and to good advantage, seeing our deepest levels north on a line almost with our No. I adit are driven past the boundary, and of ore there is vast quantities, refractory of course, but as we have the

ore there is vast quantities, refractory of course, but as we have the McArthur plant, in which we can get the gold apart from any fresh discoveries of a larger percentage of free milling ore. I am sure the directors have acted wisely in adding considerably to the value

of the Virginia mines,

NEW GUSTON.—The following cable information has been received from the mine:—No. 12 level. 82 feet east of the shaft we NEW GUSTON.—The following cable information has been received from the mine:—No. 12 level. 82 feet east of the shaft we have met with ore 4 feet wide. Average assay 1-10 to ½ ounce of gold per ton, 7 to 13 ounces of silver per ton, and 2 to 5 per cent. of copper, We have also struck a streak of ore 4 inches wide, assaying 2-10 ounce of gold per ton, 85 ounces of silver per ton, and 28 per cent. of copper. Impossible to cable the value of June shipments, 1550 tons, as have not yet received account sales of ore. I the Mine Superintendent, under date July 5, reports, viz.:—No. 5 level: South drift, No. 1 stope. A stope has been taken off from the bottom of No. 4 level, south drift, for a height of 5 feet for 13 feet in length. Width ore, from 6 inches to 1 foot; character of ore, iron pyrites, Value, from 18 to 39 ounces silver per ton; gold, 1-4 to 4-10 ounce per ton.—No. 6 level: Midway drift. The drift having been broken through to the boundary stope, operations have been suspended here.—Midway drift; Stope. Length of stope, 25 feet; height over back of drift, 8 feet; width of ore, 2 feet; character of ore, iron pyrites, Value, from 20 to 26 ounces silver per ton; gold, 1-4 to 35-100 ounce per ton.—Midway drift: Cross drift stope. Length of stope, 38 feet; height over back of drift, 10 feet; width of ore, 10 feet; character of ore, iron pyrites and yellow copper. Value of iron pyrites, 28 to 64 ounces silver per ton; gold, 4-10 to 6-10 ounce per ton. Value of yellow copper ore, 15 to 250 ounces of silver per ton; gold, 1 to 2½ ounces per ton; copper, 8 to 13 per cent.—No. 9 Level, South Drift. The drift has been retimbered for a length of 80 feet. Owing to the ore settling so heavily on the drift timbers from the routh end of the stope to the breast of the drift, stope. Length of stope, 82 feet; height over back of level, north end of stope, 16 feet for 23 feet in length; width of ore being extracted at present, 17 feet; height of south end of stope over back of level, 12 feet for 59 feet in length; width of or 9 per cent.—No. 10 level, south drift, distance driven 4 feet, total distance driven from shaft cross out 106 feet, width of ore from 18 to 20 feet. Width of ore carried in forebreast 6 feet. Value and character of ore similar to that met with in the stope at No. level, south drift. South drift No. 1 stope length of stope 28 feet; height over back of level, 8 feet; width of ore, 3 feet. Character of ore, iron pyrites and yellow copper. Value, iron pyrites, 10 to 12 ounces silver per ton; gold, 1-10 to 2-10 ounce per ton; copper, 2½ to 6 per cent. Yellow copper, 14 to 18 ounces silver per ton; gold, 2-10 to 4-10 ounce per ton; copper, 6 to 11 per cent. The ore in this stope will increase in width and improve in value as the stope is continued south; the widest portion of the ore being over, and south of, the winze being sunk to communicate with No. 11 level.—South Drift; Winze, Depth sunk, 11 feet; total depth of winze below base of level, 50 feet; owing to the air being bad in winze below base of level, 50 feet; owing to the air being bad in the winze we have been engaged erecting a blower and putting air pipes down the winze (for some days), hence the reason a greater depth has not been sunk during the past fortnight. Width of ore in pipes down the winze (for some days), nearest with the winze of the past fortnight. Width of ore in bottom of winze, 2 feet. Character of ore, yellow copper and velow copper, 13 to 18 countries of the past fortnight. bottom of winze, 2 feet. Character of ore, yellow copper and iron pyrites. Value, yellow copper, 13 to 18 ounces silver per ton; gold, 2-10 to 4-10 ounce per ton; copper, 7 to 9 per cent. Iron pyrites, 9 to 12 ounces silver per ton; gold, 1-10 to 2-10 ounce per ton; copper, 2½ to 6 per cent. The main and most valuable portion of the ore is standing on the west side of the winze the object being to sink as much as results. The main and most valuable portion of the ore is standing on the west side of the winze, the object being to sink as much as possible in the porphyry (on the east side of the ore), for the purpose of communicating with No. 11 level as quickly as possible. North drift, cut-out stope. Length of stope, 22 feet; height, 8 feet; width of ore being carried in stoping, 12 feet; full width of ore, 19 feet. Character of ore; (1) peacock copper, (2) yellow copper, (3) iron pyrites, Value of ore: (1) Peacock copper, 130 to 155 ounces silver per ton; gold, 3-10 to \(\frac{1}{2}\) once per ton; copper, 30 per cent. (2) Yellow copper, 15 to 23 osnoces silver per ton; copper, 8 to 13 per cent. (3) Iron pyrites, 9 to 14 ounces silver per ton; gold, 2-10 to \(\frac{1}{2}\) ounce per ton; copper, 30 per cent. No. 11 level, north drift. Distance driven 11 feet, total distance driven from shaft crosscut 26 feet. There is no ore at present in the face of drift. Having driven into a mass of porphyry which has disordered the ore at this point, I purpose running a crosscut east, in order to determine if there is any ore on the east side of the drift.—South drift. Distance driven 7 feet, total distance driven from shaft crosscut 25 feet; width of ore in the forebreat 5 feet. On the east side of the drift there is a streak of Peacock copper ore 4 feet wide for 6 feet in length. Character of the ore met with—
(1) Peacock copper, (2) Yellow copper, (3) Iron pyrites. Value of ores: (1) Peacock copper, 130 to 150 cances silver per ton; gold 1-4 to 3-4 cance per ton; copper, 30 per cent. (2) Yellow copper 20 to 35 cances silver per ton; gold 4-10 to 4 cances silver per ton; gold 1-10 cances silver per 1-10 to 3-10 ounce per ton; copper 3 to 7 per cent.—No. 1: level, shaft crosscut. Distance driven 24 feet, total distance driven

OSCAR.-The following report has been received from the mines, dated Haguesund, July 20: Hodgkinson's lode. There is no altera-tion in the 500 north level. We have still the small run of quartz with us. The quartz contains a little mineral, but I have not been able to detect gold. Within the last few days there is such change in the state accompanying the lode as to lead me to expect conin the strata accompanying the lode as to lead me to expect o siderable improvement in the size and composition of the lode.

siderable improvement in the size and composition of the lode. In the rise from 200 north the lode just now is disturbed, so that the quarts is intermixed with the country rock. Ido not anticipate that this disturbance will have any durable influence on the lode, but rather expect within the next few feet to get clear of same.

TOLIMA,—The directors have received advices by the mail of the 24th July, from their mines, of which the following is an abstract:
—Frias estimated May returns (172 tons), silver valued at 2*, 9d, per cunce, £6484 6e, 8d.; cost, £3702 9s, 5d.; proft, £2781 17s. 3d.

The underground agent reperts 104 fathoms 4 feet 6 inches of ground

expended, of which 80 fathoms 5 feet 2 inches were productive, leaving of unproductive ground 25 fathoms 5 feet 4 inches. The superintendent, under date of June 17th, reports that the underground works continue to progress satisfactorily, but explains that, owing to the grade of the mineral having declined, the value of the (May) invoice is rather low as compared with previous invoices; but be, on the other hand, draws attentiou to a considerable reduction in the cost, which brings out the estimated profit for the month £281 above that cabled on the 4th June last. He also advises the completion of the works necessary to permit of the raising of the mineral by the skip road direct from the 130 fathom level—an arrangement which will greatly facilitate the operations, in the deeper workings. — Underground report. The 139 fathom tip plat to date of writing is about finished, tand in the course of a few days we hope to get the skiproad down to this level. 140 fathom west end was driven 13 feet by two men at \$70 per fathom, being 51-3 feet as total west of the winze. The lode has improved, and yielded 10 dwts. of mineral per fathom. 140 fathom east end was driven 26-3 feet by four men at \$80 per fathom, being 93-3 feet as total east of the winze. The lode yielded on an average 3 tons of good grade mineral per fathom, but to date it again shows a considerable decline. Just behind the forebreast a branch of mineralised stuff has gone off to the north of the main a portion of the lode, and the value of this we shall endeavour to prove later on. 130 fathom west end was driven 10-4 feet by four men and a boring machine, at \$30 per fathom, being 281-2 feet as total west of the winze, and the lode yielded 10 owts, of mineral per fathom, and is of the winze, and the lode yielded 10 owts, of mineral per fathom, and yielded 5 tons of mineral per fathom. 120 fathom west back stope No. 1 was stoped 28 fee per fathom, being 882.9 feet as a total east of the engine shaft, and remains poor. 90 fathom east winze was sunk 27.6 feet by 8 men at \$120 per fathom, being 68 feet as total below the level. The first 18 feet yielded 15 cwts. of mineral per fathom; but the remaining portion was poor. 90 fathom east end Welton lode was driven 13.8 feet by two men at \$60 per fathom, and remains unchanged. 80 fathom east stope was stoped 24 feet by two men at \$25 per fathom, and yielded 15 cwts. of mineral per fathom. Shallow adit was driven 31.5 feet by four men at \$55 per fathom, being 52.5 feet as total west from the cross cut. The lode is well-defined, and the prospect somewhat improved. Crosscott to new lode was driven 3.5 feet by two men at \$140 per fathom, being 385.6 feet as total length, and is unchanged.—Real de Frias. Deep adit west was driven 20 feet by two men at \$36 per fathom, being 517.15 feet as total west of the-shaft. The lode remains well-defined and has been giving here and there some stones of mineralised stuff.—West Shaft. This has been there some stones of mineralised stuff. - West Shaft. This has been drained to bottom, and to date of writing sinking has been resumed. The lode yet tends to improve, and is giving a strong branch of

slightly mineralised stuff.

UNITED GOLD FIELDS OF MANICA.—Return of mining work done during the two weeks ending June 2: Adit No. 1. Distance driven 13 feet, total length 547 feet. Rock at first a little softer, but now as hard as before.—Adit No. 2. Distance driven 18 feet, total length 694 feet. Rock harder; two sets of timber fixed, other sets adjusted, and lagging put in where necessary.—Adit No. 3: Lagging put in where necessary.

Lagging put in where necessary.
WENTWORTH EXTENSION.—Report dated June 16: East ross cut is in 160 feet, progress during the week 10 feet, rock shows to change. West cross cut advanced 5 feet, total length 91 feet: no change. West cross cut advauced 5 feet, total length 31 rees rock continues very hard. Prospecting shaft No. 4 timbered to the bottom 83 feet, a station cut out and a drive started to the northward; the payable alluvial is 4 feet thick. Development work being pushed ahead vigorously.

ZAMBESIA EXPLORING.—Mr. Robert Williams, writing from

ZAMBESIA EXPLORING.—Mr. Robert Williams, writing from Johannesburg on 30th June, reports, re George and May: I have again visited this property, and consider the yield will be increased from 8½ to 10 dwts., which is a steady improvement, as March was only 6½ dwts. The crushing for the month is somewhat reduced in consequence of the shoes and dies having become worn, but this can easily be rectified. The south reef, upon which we reported last week, is now being developed, and we expect shortly to obtain a considerable quantity of 1 ounce ore from it, which will increase the yield per ton for the whole mine. The manager of the George and May, writing from Krugersdorp on 27th June, reports: No. 1 main shaft. The drives continue poor. The ore in both levels has become very hard, but the panning is an improvement on last week.—South reef. I have sunk 20 feet on this, It has opened out to 3 inches and pans about 25 dwts. I have cut the same leader opposite No. 1 main shaft, where the pannings are equally good. The assay value shows a result of 2 ounces 3 dwts. I have been exploring the old workings on this leader, which have been previously inaccessible on account of the leader, which have been previously inaccessible on account of the water. The leader varies from 2 feet to 9 inches wide, but is of very good quality. I hope to give you some details shortly.—No. 2 main shaft. There is no change to report. I have raised 9 feet through the reef in the second level east, but have not cut through it yet. It has much the same character as the upper level, except that it is barder,—No. 2a main shaft. This has been sunk vertically 17 feet. As soon as the reef is intersected, I shall raise to the surface under the reef. After sinking 10 feet I out through a leader about 6 inchesthick, panning 20 dwts., which resembles the south reef very closely As soon as I have sunk to 30 feet or 40 feet I shall follow this leader. -No. 3 main shaft. Stoping by contract is proceeding satisfactorily.

The winze is down 27 feet, and shows the reof about 30 inches wide, well-formed, and panning about 8 dwts. The battery continues to run well. Amount of amalgam on hand The battery continues to run well. Amount of amalgam on hand to date 1190 ounces, 50 ounces less than last month, in consequence of our having lost a day in fixing a new engine governor. None of the boxes have been cleaned out this month. The tailings maintain an improvement, but we are still much delayed in charging and discharging the vats.—Champ d'Or Deep Level. I consider there is every probability of a vise in the value of these sharer, and there is every appearance of the yield per ton from this property being most satisfactory.—Inex Reef: Mr. John Joss, writing from Salisbary on June 18, reports re Inex: Mr. Swinburne is at the mine, and 1 hope next week to get his periodical statement.—Dickens. The drive east is now 91 feet, west 51 feet. We occasionally come across small pieces of quarts in both drives. occasionally come across small pieces of quarts in both drives, but at present no main reef. I propose putting cross cuts north and south at the 100 feet, and hope we may then strike it.

ALAMILLOS.—July 18: In the 85 fathom level driving west of Taylor's engine shaft the lode has sowewhat fallen off in value, and is now estimated at 1 ton per fathom. The lode in the 160 west of the same shaft is large, but is not producing any lead. The 100 west of Judd's engine shaft, valued at \(\frac{3}{4}\) ton per fathom. Nothing has been done here in the past fortnight on account of the boiler being repaired. In the 100 east of the same shaft the men have also been hindered by the water. The lode in Miguel's winze, sinking below the 20 fathom level, is producing less lead and is now valued at 1\(\frac{1}{2}\) ton per fathom.

BROKEN HILL PROPRIETARY, BLOUK 10.—The mine manager's report for the week ended June 9 states that the concentra-

BROKEN HILL PROPRIETARY, BLOCK 10.—The mine manager's report for the week ended Jone 9 states that the concentrator has worked the week less 12 hours, treating 242 tons crude ore, producing 45 tons 5 owts. 1 qr. of concentrates, assaying 71 per cent. lead, 393 ounces silver, and 73 per cent. zinc.

BAYLEY'S REWARD CLAIM.—Mine manager's report dated June 2: Sylvester shaft, 220 feet level. South drive has been continued in a westerly direction 6 feet, total being 61 feet. The ground has been very hard with open floors and joints through the rock, from which a little water is coming, consequently we deem it advisable to continue some distance further to make sure there is nothing heyond previous to opening out on the stone passed through.—Western cross cut. This, for the purpose of cutting Gorrie's lode has been driven 16 feet of a favourable character. 160 feet level has been driven on the course of the fault mentioned as being cut in my last, a further distance of 18 feet, total 88 feet; again cutting the lode, which is fully 4 feet, and apparently continuing its proper course (about south.) The drive will now be continued in this direction until connected with the winze from the 100 feet level, in order to open up fresh or new stopes from that level down. level, in order to open up fresh or new stopes from that level down,

—100 Feet Stopes. From week to week there is little or no change
to report, as it continues to yield the usual quantity of rich stone
and will continue.—Gordon Shaft. The rich stone in the stopes from and will continue.—Gordon Shaft. The rich stone in the stopes from the 50 feet level up has now been taken out. There is still a large quantity of apparently good battery stone still to be taken out in the future as it is not deemed advisable to do so at present, seeing that we have such large quantities on the surface.—Begelhole shaft. The stopes continue to yield the similar rich stone that it has hitherto done. In the north stope we have continued about 20 feet beyond where the rich stone was previously obtained, to the point where it apparently turns for Cockshott shaft, and this morning it shows very good gold indeed. It is too soon yet to say what the development will be, but at present it looks very promising.—Everard shaft. South drive, 50 feet level, has been advanced 6 feet; total, 67 feet. The lode continues the same size, about 3 feet, and condevelopment will be, but at present it looks very promising.—Everard shaft. South drive, 50 feet level, has been advanced 6 feet; total, 67 feet. The lode continues the same size, about 3 feet, and continues to yield very good gold, some portions being very rich, which is being picked out, and the remainder being stacked for the battery.—Cockshott shaft. During the week a considerable amount of timbering has been done, also sunk 3 feet; total, 58 feet. The lode is fully 6 feet wide, and still continues to yield the same rich stone it has done the last 15 or 18 feet, so that, from all appearance, a good shoot of gold, or a considerable quantity of very rich stone will eventually be opened up between this and Everard shaft. Water in Sylvester shaft has now decreased to about 2000 gallons per day, so that we shall at once prepare for the sinking of the main shaft, which will take some little time, as we intend to make alterations in the chamber at the 220 to prevent the water from the drives running in the shaft.—Battery. As telegraphed on the 29th ult, we have continued running five stampers, which is as much as we can procure water for at present, as to keep everything employed, such as feeding boilers, condensers, and the battery, takes a considerable quantity more than we have in the shaft, consequently we have to again return to the carting, and the short supply of water causes a great loss of time owing to the tailing and sluice pits having to be constantly cleaned, and the water not being good for boiler purposes, that has to be cleaned every fortnight, and although we do all we can by working Sundays as well as other days, still we find there is a considerable amount of time loss that there would not be under more favourable conditions, Week's yield has resulted in 600 ounces retorted gold.—(Signed) W. H. Mathews.

CALIFORNIA MILLING AND MINNING.—The following is extracted from the managers's report from the mine for May.

more favourable conditions. Week's yield has resulted in 600 ounces retorted gold.—(Signed) W. H. Mathews.

CALIFORNIA MILLING AND MINING.—The following is extracted from the managers's report from the mine for May, received July 20: — Hidden Treasure Mill. Receipts \$3946-16; expenditure \$2448-29.—California Mine. Receipts \$3946-16; expenditure \$2448-29.—California Mine. Receipts \$1263-14; expenditure \$1478-53. Average number of stamps dropping 60; customs ore milled 1416 tons; mine ore milled 229 tons; profit for 3 months ending May \$2951-34. Four working days were lost owing to floods. I am finishing re-building our mill which will be completed within a month from this date. I hope by that time to secure a sufficient supply of ore again for the whole 75 stamps, and we may then consider our mill about the best in Blackhawk.—(Signed) A. L. Collins. COLOMBIAN HYDRAULIC.—T. P. Sharman, June 15: Run No. 194. We commenced washing on April 21st, and, as will be seen from the water diary, we had two stops of importance (eleven days in all). The first was owing to a break on the 30-inch pipe, and the second to a large slide on the ditch. The gravel washed was the west end of Clarke's banks, and we were favoured by slightly rising hedrock during the whole run. There was absolutely no pipe-clay to contend with, and few heavy stones. The bedrock was soft, and therefore there was comparatively little cost in driving ground cuts, which was fortunate, as, owing to the bank being but a narrow ridge, the ground cuts very long. After a run of 851 hours with the machine we cleaned up in all \$10,102, or about £2020 at a cost of about £865.

COROMANDEL.—Superintendent's report for fortnight ending

the machine we cleaned up in all \$10,102, or about £2020 at a cost of about £865.

COROMANDEL.—Superintendent's report for fortnight ending June 30: Coromandel shaft. 420 feet level north driven during the fortnight 28 feet 2 inches, total from shaft 228 feet 2 inches. Lode in present end carries 6 inches of solid quarts, worth 6 dwts, per ton. The end is letting out a little water, and has a most favourable sopearance.—420 feet level south. Lode still small and unproductive. The end is now 108 feet 7 inches from shaft, the drivage since last report, being 10 feet 5 inches. 320 feet level north driven 17 feet, total from shaft 416 feet 7 inches. Lode 1 foot 3 inches wide of hard, compact quarts, assaying 16 dwts. 12 grains per ton.—Prototal from shaft 416 feet 7 inches. Lode 1 foot 3 inches wide of hard, compact quarts, assaying 16 dwts. 12 grains per ton.—Prospect shaft. The 500 feet crossout east has beer driven 28 feet from shaft and suspended. It has intersected the lode which is very small and poor. A rock drill has been started to drive north on its course to communicate with the 500 feet south of winze. The 500 feet cross cut west of shaft has been driven 16 feet 8 inches, and is now 21 feet 8 inches from shaft.—500 feet course of No. 1 winze. Driven for the forthight 17 feet 7 inches feet. ath of No. 1 winze, Driven for the fortnight 17 feet 7 inches, total south of No. 1 winze, Driven for the fortnight 17 feet 7 inches, total 129 feet 4 inches. Ventilation being bad and the driving very expensive, this end has been suspended pending communication by the 500 feet north of shaft. No. 2 winze under 440 feet north sonk 14 feet 9 inches, total 54 feet 6 inches. The lode here, which has been narrowing for some time past, has now entirely cut out against a slide coming in from the south west. The ground is very heavy, and we do not think it expedient to make further search for the lode until the 500 feet level is reached,—440 feet cross cut east. This drivage has been resumed with the object of cutting the Balaghat-Coromandel lode, and will be pushed on with all possible speed.

drivage has been resumed with the object of cutting the Balaghat-Coromandel lode, and will be pushed on with all possible speed, CHAMPION BEEF.—Fortnightly report of Captain James Rowe, superintendent, dated July 2; Garland's shaft. This has been sunk 16 feet 9 inches, total depth 712 feet. The strata shows strong indications of our near approach to the lode. The 630 feet level north of crosscut west of shaft has been driven 28 feet 3 inches, total length 52 feet 3 inches. Lode 6 feet wide, assaying 2 ounces 2 dwts. 7 grains of gold per ton. 630 south of crosscut driven 25 feet 6 inches, total length 48 feet. Lode 2½ feet wide, assaying 18 dwts. 20 grains of gold per ton. We are getting back near the dyke in this end. The 530 feet level north of west crosscut driven 26 feet, total length 519 feet 9 inches. Lode 2½ feet wide, assaying 1 ounce this end. The 530 feet level north of west crosscut driven 25 feet, total length 519 feet 9 inches. Lode 2½ feet wide, assaying 1 ounce 15 dwts, of gold per ton. No. 4 rise in back of level risen 15 feet 3 inches, total height 28 feet 3 inches. Lode 4 feet wide, assaying 1 ounce 8 dwts. 4 grains of gold per ton. Winze in bottom of 530 south of crosscut such 27 feet 6 inches, total depth 131 feet 6 inches. Lode 3 feet wide, assaying 1 ounce 16 dwts. 18 grains of gold per ton. This being deep enough for the 630 feet level the sinking is suspended. The 440 feet level north of west crosscut driven 8 feet, total length 456 feet. Lode 5 feet wide, assaying 1 ounce 8 dwts. 4 grains of gold per ton. No. 2 sies in back. assaying 1 cance 8 dwts. 4 grains of gold per ton. No, 2 rise in back

of level risen 15 feet 3 inches, total height 89 feet. Lode 3 feet wide, assaying 1 ounce 14 dwts. 3 grains of gold per ton. 340 feet level south of No. 2 west crossout at the 340 north driven 25 feet 6 inches, total length 45 feet. Lode 2½ feet wide, assaying 1 ounce 19 dwts. 14 grains of gold per ton. No. 3 rise in back of 340 north of No. 1 crossout risen 25 feet 6 inches, total height 45 feet 6 inches, Lode 3 feet wide, assaying 1 ounce 17 dwts. 5 grains of gold per ton. No. 2 or incline winze in bottom of level sunk 9 feet 9 inches, total depth 100 feet 9 inches, Lode 3 feet wide, assaying 1 ounce 13 dwts. 3 grains of gold per ton. No. 2 or incline winze in bottom of level sunk 9 feet 9 inches, total depth 100 feet 9 inches. Lode 3\frac{1}{2} feet wide, assaying 1 ounce 18 dwts. 21 grains of gold per ton. Winze below 240 north of west crossout sunk 16 feet, total depth 30 feet. Lode 3 feet wide, assaying 1 ounce 11 dwts. 15 grains of gold per ton.—Ribblesdale's Shaft. We have to-lay resumed the sinking of this shaft has been driven 22 feet 3 inches, total length 22 feet 3 inches, Lode 4 inches wide, assaying 1 ounce 8 dwts. 4 grains of gold per ton. 540 south driven 26 feet 9 inches, total length 26 feet 9 inches, Lode 4 inches wide, assaying 10 dwts. 10 grains of gold per ton. 440 feet level south of shaft has been driven 22 feet, total length 326 feet 6 inches, Lode small, without value. 440 feet level north winze sunk below 340 north of shaft on south part of fold has been driven on west part 19 feet 9 inches; total length from crosscut west, 39 feet 9 inches. This is communicated with incline winze in bottom of 340 north, and opened up a valuable section of ore ground, 440 south of crosscut driven 9 feet 3 inches; total length, 9 teet 3 inches. Lode 5 feet wide, assaying 1 ounce 16 dwts. 10 grains of gold per ton. 340 feet level south of valuable section of ore ground, 440 south of crosscut driven 9 feet 3 inches; total length, 9 teet 3 inches. Lode 5 feet wide, assaying 1 ounce 16 dwts. 10 grains of gold per ton. 340 feet level south of shaft driven 18 feet 3 inches; total length, 675 feet 9 inches. Lode 6 inches wide, assaying 19 dwts. 15 grains of gold per ton. Rise in back of level risen 12 feet; total height, 75 feet 9 inches. Lode 9 inches wide, assaying 17 dwts. 5 grains of gold per ton. Winze below level sunk 10 feet 6 inches: total depth, 95 feet. Lode 1 foot wide, assaying 1 ounce 5 dwts. 20 grains of gold per ton. This being deep enough for the 440 feet level is suspended for a time. — Carmichael's shaft. We are pushing on with the bringing down of the incline shaft to the lode as fast as possible. The 315 crosscut west of shaft has been driven 27 feet 6 inches; total length, 376 feet 9 inches. At a distance of 350 feet from shaft we passed through a lode underlying west at an angle of 35°. The lode in back of level is 1 foot wide, and in bottom 4 inches, A sample taken from it assayed 1 ounce 3 dwts. of gold per ton, Some of the quartz shows specks of visible gold. We shall open out on this in a day or two. Rise in back of 315 north risen 7 feet 3 inches; total height, 54 feet 9 inches. Lode 3 feet wide, assaying 1 ounce 10 dwts. 13 grains of gold per ton. Winze below level sunk 4 feet 6 inches; total depth, 10 feet 3 inches. Lode 1 foot wide, avaying 1 ounce 1dwt. 4 grains of gold per ton. In future this rise and winze will be called from 315 so th of Rowe's shaft.—Rowe's Shaft. wings will be called from 310 so that Rowe's shart.—Rowe's shart.
This has been sunk 10 feet; total depth below the 315 feet level, 41 feet 3 inches. Lode 2½ feet wide, assaying 2 ounces 17 dwts. of gold per ton. 315 feet level north of shaft driven 20 feet 9 inches; total length, 101 feet 6 inches. Lode 1 foot wide, assaying 1 ounce 6 dwts. of gold per ton.—Stopes. The amount of ground cut for June month and value of the lode will be given in the next fortsightly report.

EAGLEHAWK CONSOLIDATED.—The following fortnightly report has been received from the mine, dated Maldon, July 9th: During the fortnight the contractors have sunk the Limited shaft a During the fortnight the contractors have sunk the Limited shaft a further distance of 27 feet, making the shaft 168 feet below the plat at the 826 feet level, making the shaft 994 feet from the surface. 6 feet more will make the 1000 feet. We shall have to sink about 25 feet for a well. The contractors will start to put in the timber next week, and put the dirt they break in sinking the well behind the timber. The dirt in the shaft is still hard blue stone. The tributers (Smith and party) have sent another small kiln of 15 tons to the battery this week. Harris and party have a kiln, but not crushed yet. Sampson and party in their shaft, down about 30 feet, have come on the cap of the reef. Nothing payable yet,—(Signed) Thomas Hodge. Come on the C

Thomas Hodge.

FORTUNA.—July 18: Canada Incosa Mine. The lode in the 150 fathom level driving west of O'Shea's engine shaft is large, and looks promising. In the 110 west of San Pedro's shaft the lode has improved, and is turning out some good ore stuff, valued at \(\frac{3}{4} \) fon per fathom.—Los Salidoc Mine: The lode in the 200 east of Taylor's engine shaft, estimated at 2 tons per fathom, continues strong and compact. In the 105 east of Palgrave's shaft the lode is small and unproductive. Luca's winze sinking below the 92 fathom level; this is situated east of Palgrave's shaft, and in advance of the 105 fathom level. No change of importance has occurred in the stopes since last reported. Surface works are kept

advance of the 105 fathom level. No change of importance has occurred in the stopes since last reported. Surface works are kept on very regularly, and the machinery is in good working condition. Estimated raisings for July 250 tons. The tributers returned 83 tons of mineral in the past month.

GRAVEL GOLD.—L. Scrutton, June 20: Mine Operations. Since recommencing washing I have been working on the piece of rim gravel mentioned in my letter of June 7th. There is no change in the appearance of the gravel, which continues soft and easily worked. As soon as I have washed this out I shall break through the narrow strip that is left in front of the machine and clean The summer weather seems to have set in for the last three or days, and I am in hopes that we may not be again bothered by breakages on the ditch for some time.—London Office Note. From the above it is evident that none of run No. 7, clean up of which was cabled on July 9th, was carried on on the face of the Rica bank,

was cabled on July 9th, was carried on on the face of the Rica bank, nor through the long sluices, and the present run, which is being carried on on the face of the Rica bank may, therefore, be expected to show a considerable improvement.

GOLD FIELDS OF MYSORE,—Fortnightly report on prospecting operations dated July 3: West Balaghat Block, No. 1 shaft. North drive at the bottom of this shaft 107 feet from surface has been driven 8 feet 9 inches, total distance from shaft 59 feet. Lode in the end 1 foot 8 inches wide, assaying 18 dwts. 5 grains of gold per ton. South drive has been driven 8 feet, total distance from shaft 71 feet. Lode in the end!2 feet 6 inches wide, assaying 17 dwts. of gold per ton.—No. 2 Shaft. This has been sunk 7 feet 3 inches, total distance from shaft of inches wide, assaying 19 dwts. 10 grains of gold per ton. North drive 100 feet from surface has been driven 3 feet 8 inches, total distance from shaft 67 feet 3 inches. Lode in the bottom 1 foot 3 inches wide, assaying 10 dwts. 9 grains of gold per ton. North drive 100 feet from surface has been driven 3 feet 8 inches, total distance from shaft 67 feet 3 inches mide, assaying 10 dwts. 9 grains of gold per ton. South drive has been driven 5 feet 8 Inches, total distance from shaft. 81 feet 8 inches. Lode in the end 1 foot wide, assaying 16 dwts. 8 grains of gold per ton.—No. 4 shaft. This has been sunk 6 feet 2 inches, total depth ton.—No. 4 shaft. This has been sunk 6 feet 2 inches, total depth from surface 130 feet 2 inches. Lade in the bottom 1 foot 8 inches wide, assaying 14 dwts, 3 grains of gold per ton.—Road block. Shaft 40 feet north of No. 4 trial shaft eastern lode has been sunk 15 feet 6 inches, total depth from surface 38 feet 6 inches. Lode in the bottom 1 foot 6 inches wide, assaying 6 dwts. of gold per ton. Having met with more water in this than we could master with a windlass, we have ceased operations. Shaft No. 3 North No. 2 eastern lode. Having have ceased operations. Shaft No. 3 North No. 2 eastern lode. Having met with water in this, we stopped the sinking and have started to drive both north and south 53 feet from surface. North drive has been driven 11 feet, total distance from shaft 11 feet. The lode in this end is mixed, and there was no sample taken from it. South drive has been driven 21 feet 6 inches, total distance from shaft 21 feet 6 inches. Lode in the end 2 feet wide, assaying 11 dwts, 15 grains of gold per ton. Shaft 200 feet north of the above, or north shaft, has been sunk 28 feet, total depth from surface 53 feet. Lode in the bottom 1 foot 6 inches wide, assaying 8 dwts, 10 grains of gold per ton. About 300 feet east of the above, and close to the north boundary line, we have made a trench 32 feet long, 11 feet deep, and 3 feet wide. Nothing met with in 32 feet long, 11 feet deep, and 3 feet wide. Nothing met with in

GOLD FIELDS OF MYSORE, - Mine report for fortnight endof DLD FIELDS OF MISORS,—Mine report for forting tending July 3: Oriental Lode, South Shaft. The 470 feet level north of shaft has been driven 4 feet 6 inches, total length 96 feet. Lode 2 feet wide, assaying 1 ounce 3 dwts, 14 grains of gold per ton. 470 south driven 5 feet, total length 105 feet 6 inches. Lode 34 feet south driven 5 feet, total length 105 feet 6 inches. Lode 3½ feet level south driven 5 feet, total length 105 feet 6 inches. Lode 3½ feet level south. The 460 feet level south driven 31 feet, total 397 feet level north has been driven 4 feet 6 inches, total length 201 feet 1 feet level north has been driven 4 feet 6 inches, total length 201 feet 7 inches. Lode is disordered, split up into branches, but carrying a leader of quarts 6 inches wide, assaying 11 dwts. 15 grains of feet level south aunk 5 feet 9 inches, total 29 feet 6 inches. Lode 9 inches, total 29 feet 3 inches, Lode 9 inches, total 29 feet 3 inches, Lode 9 inches, total 29 feet 3 inches, Lode 9 inches, total 29 feet 6 inches, Lode 9 inches, total 29 feet 8 inches, Lode 9 inches, Lode 9 inches, total 29 feet 8 inches, Lode 9 inches, total 29 feet 8 inches, Lode 9 inches, Lode 9 inches, total 29 feet 8 inches, Lode 10 feet 10

gold per ton. 380 feet level south driven 4 feet 9 inches, total length 193 feet 6 inches, Lode 4 feet wide, assaying 14 dwts. 17 transported to the state of the it is impossible to say; the present value is I ounce to the ton. I have found several stones showing visible gold, which is very promising.—Henty's Shaft: We are cutting the cistern plat, which is almost completed. The rock is hard, and it is difficult to make rapid progress with hand labour. 173 south drive has been advanced 13 feet, making a total length of 77 feet 9 inches. The rock is hard, but its appearance are favourable, and we ought shortly to meet but its appearances are favourable, and we ought shortly to meet with the lode.

out its appearances are tavourable, and we ought shortly to meet with the lode.

LINARES,—July 18: Pozo Ancho Mine. The 200 fathom level driving west of Peill's engine shaft turns out some lumps of ore, but not sufficient to value. The lode in the 155 west of the same shaft continues regular, but does not contain sufficient ore to value. In the 178 west of Warne's cross cut the lode chiefly consists of spar, and contains but little ore.—No. 276 winze below the 178 fathom level. This winze is going down splendidly. The lode turns out some stones of ore.—Los Quinientos Mine. Taylor's engine shaft. The 185 east has a little better appearance, but does not improve for lead. The lode in the 165 east has improved a little in the past fortnight, and is now valued at ½ ton per fathom. In the 150 east the lode is very regular, and yields good stones of ore, but not enough to value. The 130 east continues small and without ore to value. Ginis winze sinking below the 150, worth 1 ton per fathom, has declined a little in value in the past week.—Barranco's winze below the 165. This new winze is situated in bottom of 165 fathom level, east of Taylor's engine shaft, and in advance of the MOUNT LYELL.—The London committee have received the

fathom level, east of Taylor's engine shart, and in advance of the 185 fathom level.

MOUNT LYELL.—The London committee have received the following report from the Melbourne board for the week ending June 7:—Engine Shaft, 100 feet Level. South drive 22 feet, face in schist rock, with small band of iron still showing. Intermediate level 75 feet. Start made to crosscut westerly towards pyrites deposit.—50 feet Level South Drive. South drive, total 134 feet, face in solid pyritous ore.—No. 1 winze. Little work has been done in this winze, men being put in No. 5 tunnel. Fresh hands engaged, and the work will now proceed without delay.—Stopes. Face northand the work will now proceed without delay.—Stopes. Face northward from chamber shows a good body of ore. At the end of west crosscut from north level a winze is started, and the rich ore followed down for 7 feet. Rich ore, 15 inches to 18 inches, is still lowed down for 7 feet. Rich ore, 15 inches to 18 inches, is still showing in the bottom, going down alongside the pyrites.—No. 2 Shaft, 100 feet Level, West crosscut driven 51 feet, little mineral showing in the rock,—No. 5 Tannel. Two shifts driven 13 feet, total 613 feet; country slate and conglomerate, third shaft repairing.—Ore Raised. 10 tons 5 cwts., containing 10,291 ounces silver and 3 tons 8 cwts. 3 lbs. of copper.—Ore Dispatched. 13 tons, containing 7280 ounces of silver, and 2 tons 14 cwts. 2 qrs. 1 lb. of copper.

3 tons 8 cwts. 3 lbs. of copper.—Ore Dispatched, 15 tons, containing 7280 ounces of silver, and 2 tons 14 cwts. 2 qrs. 1 lb. of copper.

MOUNT ZEEHAN (Tasmania).—Manager reports for week ended Jone 12. Argent Section, Main engine shaft, No. 6 lode, intermediate level south, Stope continued, but no ore raised, as mill is engaged crushing for Zeehan-Montana Company. 72 feet level south extended 5 feet, total 163 feet. In another 20 feet expect to cut shoot met with in intermediate level. Stope in back of rise continued. Ore kept below. Lode 5 feet wide.—72 feet level north. Have started underhand stope in sole of level south of old stope. 132 feet level south extended 10 feet 6 inches, total 124 feet 6 inches. Lode about 2 feet wide. Crosscut west to No. 7 lode extended 7 feet, total 69 feet 6 inches.—No. 3 lode. No. 2 shaft, drive north extended 9 feet, total 30 feet 6 inches. Formation 5 feet wide. Lode split up by an intrusion of schist, probably owing to our nearing junction with another lode. Drive south extended 10 feet, total 20 feet 6 inches. Formation 6 feet wide, 2 feet carrying very good patches of galena. Concentrator has been run 69 hours, and crushed 237 tons of Zeehan-Montana Company's ore for 37 tons firsts, containing about 28 tons 3 cwts, lead and 3716 ounces of silver.

MYSORE WEST AND MYSORE—WYNAAD CONSOLIDATED.—The mining manager in India reports by mail under date June 30: North shaft. 350 feet level north cross cut east driven 21 feet 9 inches, total 35 feet 9 inches. No change in the nature of the ground, which is very hard and dry.—South shaft. Sinking done 6 feet, total

total 35 feet 9 inches. No change in the nature of the ground, which is very hard and dry.—South shaft. Sinking done 6 feet, total 406 feet 6 inches. The work here has been much delayed up to the 26th instant by water. 354 feet drive north driven 17 feet 9 inches, 26th instant by water. 35t feet drive north driven 17 feet 9 inches, total 219 feet 9 inches. This work has been suspended, as there was no sign of the lode. 345 feet drive cross cut west driven 10 feet, total 10 feet. This work has also been suspended as there was no sign of the lode.—354 feet drive north. Winze sunk 15 feet, total 15 feet. There is a good lode here 2 feet across, running the whole breadth of the winze. The quarts last week assayed 1 ounce 9 dwts. 6 grains, and this week has given 2 ounces 15 dwts. 6 grains. 400 feet level cross cut west driven 4 feet, total 32 feet. This work has been suspended as we have passed through the lode formation. 400 feet level drive north from cross cut west driven 36 feet 6 inches. Work here was also delayed very much by water 36 feet 6 inches. Work here was also delayed very much by water up to the '26th instant. At least 18 hours work was lost on this account. The lode has varied from 2½ feet to 4 inches of solid quarts, and is now 2 feet at the floor of the level, and 1 foot at the top of level. Last week it assayed 13 ounces 13 dwts. 6 grains on the hang-ing wall, and 5 ounces 10 dwts. 12 grains on the footwall. Since then the lode on the hanging wall has given out, and the lode on the footwall opened out, and now assays 1 ounce 19 dwts.—General remarks. We have about 50 tons of stuff ready to be crushed.

OUR EGUM.—Superintendent's report for fortnight ending July 2t Taylor's shaft sunk 7 feet, total depth 128 feet below the 460 fee.

level. Lode 3 feet wide, value 2 ounces 3 dwts. 13 grains. Consequent on the communication of the 560 feet level from Wallroth's with this shaft we have suspended the sinking, and put the shaftmen to cut plats and to drive the 560 feet level south. The 460 feet

9 inches, value 1 ounce 12 dwts. 16 grains. The level south from No. 4 rise in back of 280 feet level south driven 15 feet 6 inches, total 38 feet 9 inches. Lode 1 foot 3 inches, value 2 ounces 1 dwt. 9 grains.—Wallroth's shaft. The 860 south driven 24 feet 6 inches, total 27 feet 6 inches, Lode 2 feet, value 9 dwts. 19 grains. The 860 feet level north driven 23 feet, total 26 feet. Lode 2 feet 6 inches, value 6 dwts. 12 grains. These two drivages are suspended whilst the shaft is being sunk and plots excavated. The 760 feet level south driven 6 feet 6 inches, total 191 feet. Lode 1 foot, value 4 dwts. 8 grains, No. 1 winze 760 feet level south sonk 7 feet, total 18 feet. Lode 1 foot 9 inches, value 10 dwts. 20 grains. No. 1 winze 760 feet level north sunk 6 feet, total 15 feet. Lode 1 foot, value 7 dwts. 14 grains. No. 1 rise 760 feet level north risen 5 feet 3 inches, total 28 feet 6 inches. Lode 1 foot 3 inches, value 9 dwts. 19 grains; communicated with No. 1 winze from 660 feet level north. The 660 feet level south driven 7 feet 3 inches, total 561 feet 3 inches, Lode 9 inches, value 5 dwts. 10 grains. No. 2 winze 660 feet level south sunk 5 feet 3 inches, total 51 feet. Lode 2 feet, value 8 dwts. 17 grains. No. 3 winze 660 feet level south, sunk 5 feet 6 inches, total 17 feet 9 inches. Lode 1 foot 6 inches, value 9 dwts. 19 grains, total 17 feet 9 inches. Lode 1 foot 6 inches, value 10 cunce 1 dwt. 19 grains. No. 4 winze, 660 feet level south, sunk 5 feet 6 inches, total 17 feet 9 inches. Lode 6 inches, value 10 cunce 1 dwt. 19 grains. No. 2 rise, 660 feet level south, risen 8 feet 3 inches, total 26 feet 6 inches, total 9 feet level south, sunk 10 grains. No. 2 rise, 660 feet level south, risen 6 feet 6 inches, total 9 feet 1 level south, sunk 10 grains. No. 2 rise, 660 feet level south, sunk 10 grains. No. 2 winze, 660 feet level south, sunk 10 grains, communicated with Taylor's shaft. No. 2 winze, 660 feet level north, sunk 3 feet 1 level south, sunk 3 feet 6 inches, total 69 feet 1 level south, sunk 3 Lode 2 feet, value 8 dwts. 17 grains. No. 6 winze 560 feet level south sunk 6 feet 6 inches, total 75 feet 3 inches. Lode 2 feet 6 inches, value 10 dwts. 20 grains. No. 7 winze 560 feet level south sunk 5 feet, total 16 feet. Lode 1 foot, value 1 ounce 3 dwts. 3 grains. 5 feet, total 16 feet. Lode 1 foot, value 1 onne 3 dwts, 3 grains. No. 7 winze 460 feet level south sunk 3 feet 9 inches, total 87 feet 9 inches. Lode 2 feet 6 inches, value 1 ounce 2 dwts. 21 grains. Incline winze on point of fold in bottom of 280 feet level north sunk 5 feet 9 inches, total 31 feet. Lode 3 feet 6 inches, value 10 dwts, 21 grains. The 215 feet level north driven 13 feet 6 inches, value 10 dwts, 26 feet 9 inches. Lode 6 inches, value 12 dwts. Low's shaft sunk 6 feet 9 inches, total 43epth 556 feet 10 inches. The 510 feet level south driven 13 feet 6 inches, total 133 feet 6 inches. Lode 1 foot 6 inches, value 2 ounces 10 dwts. Level south on branch from crosscut west 510 feet level driven 4 feet, total 16 feet, branch of guartz 4 inches wide, assaying 13 dwts. 2 grains. Probovis shaft 1 foot 6 inches, value 2 ounces 10 dwis. Level south on branch from crosscut west 510 feet level driven 4 feet, total 16 feet, branch of quartz 4 inches wide, assaying 13 dwts. 2 grains. Probyn's shaft sunk 5 feet 6 inches, total 991 feet 6 inches. The 950 feet level south driven 15 feet 9 inches, total 143 feet 3 inches. Lode 6 inches, value 10 dwts. 20 grains. No. 1 winze 950 feet level north sunk 4 feet 3 inches, total depth 41 feet. Lode 6 inches, value 8 dwts. 17 grains. The 850 feet level south driven 11 feet, total 274 feet 6 inches, Lode 3 inches, value 9 dwts. 19 grains. No. 1 winze 850 feet level south sunk 6 feet 3 inches, total 58 feet. Lode 8 inches, value 12 dwts. 4 grains.—Stopes for the month. Taylor's shaft. Bottom of 360 feet level south stoped 17½ fathoms. Lode 3 feet 8 inches, value 1 ounce 8 dwts. 17 grains. Back of 360 feet level south stoped 17. Inches, value 1 ounce 9 dwis. 9 grains. Bottom of 280 feet level south stoped 26½ fathoms. Lode 5 feet 3 inches, value 1 ounce 6 dwts. 9 grains. Back of 280 feet level south stoped 10½ fathoms. Lode 5 feet 3 inches, value 2 ounces 15 dwts. 3 grains. Bottom of 560 feet level south stoped 6½ fathoms. Lode 2 feet, value 1 foot 8 inches, value 2 ounces 15 dwts. 3 grains. Bottom of 560 feet level north stoped 6½ fathoms. Lode 1 foot 8 inches, value 2 ounces 14 dwts. Bottom of 460 feet level south stoped 35 fathoms. Lode 2 feet 8 inches, value 1 ounce 18 dwts. 11 grains. Bottom of 460 feet level north stoped 11½ fathoms. Lode 1 foot 8 inches, value 2 ounces 18 grains. Bottom of 360 feet level south stoped 35 fathoms. Lode 2 feet, value 1 ounce 16 dwts. 10 grains. Bottom of 460 feet level north stoped 11½ fathoms. Lode 1 foot 8 inches, value 2 ounces 18 grains. Bottom of 360 feet level south stoped 35 fathoms. Lode 2 feet, value 1 ounce 16 dwts. dwts. 11 grains. Bottom of 460 feet level north stoped 113 fathoms. Lode 1 foot 8 inches, value 2 ounces 18 grains. Bottom of 360 feet level south stoped 35 fathoms. Lode 2 feet, value 1 ounce 16 dwts. 18 grains. Back of 360 feet level south stoped 21 fathoms. Lode 1 foot 6 inches, value 2 ounces 14 dwts. 10 grains. Bottom of 360 feet level north stoped 13 fathoms. Lode 1 foot, value 1 ounce 5 dwts. Bottom of 280 feet level south stoped 22 fathoms. Lode 2 feet 10 inches, value 2 ounces 4 dwts. 14 grains. Bottom of 280 feet level north stoped 43 fathoms. Lode 1 foot 9 inches, value 3 ounces 1 dwt. 6 grains. Bottom of 215 feet level north stoped 113 fathoms, Lode, 1 foot 4 inches, value 2 ounces 3 dwts. 3 grains.—Low's shaft. Bottom of 430 feet level north, stoped 63 fathoms. Lode 1 foot, value 3 ounces 5 dwts. 8 grains. Bottom of 3 grains.—Low's shaft. Bottom of 430 feet level north, stoped 63 fathoms. Lode 1 foot, value 3 ounces 5 dwts. 8 grains. Bottom of intermediate level north, back of 200 feet level south, stoped 44 fathoms. Lode 1 foot, value 17 dwts. 10 grains.—Exploratory work, Wairoth's shaft. Crosscot west from 280 feet level south, towards Manday's lode, driven 22 feet 6 inches; total, 419 feet 6 inches. No discovery yet. Crosscot east from 280 feet level south, driven 5 feet 3 inches; total, 47 feet.—Probyn's shaft. Crosscot east from 450 feet level south, driven 27 feet; total, 251 feet 6 inches.—No. 2 Trial shaft. The 250 feet level south, driven 7 feet; total, 16 feet. Lode, 1 foot 9 inches, value 1 ounce 1 dwt, 19 grains. The 250 feet level north, driven 10 feet; total, 20 feet. Lode, 2 feet 9 inches, value 18 dwts. 12 grains.

North, driven in the second successful to the second s

sary to repair the paving of the sluice. The tunnel is now completed and we are running steadily with the increased grade. We have laid 40 feet of sluice at the head of the branch.

TASMANIA CROWN SHLVER.—Manager's report dated June 14: Prospect shaft No. 1 is now 18 feet below No. 1 level. There is little or no change in the character of the ground. It consists of carbonate of iron with a little galena interspersed throughout, and forms a part of the lode formation before referred to as showing in the north end of the shaft at the No. 1 level. Drive north from prospect shaft, started from the west side of shaft and driven diagonally to intersect the lode running through shaft, has been extended a distance of 18 feet. We have just reached the hanging wall, and the face of the lode now standing in the end of the level is 5 feet wide, with well-defined foot and hanging walls, and is interspersed with galena and blende in fine grains all through. I am sending by this mail a specimen taken from the face. We intered fellering on the face of the lode of the land from the face. am sending by this mall a specimen taken from the face. We intend following on the course of the lode, with the prospect of its improving. The work with the diamond drill has been going on with very little interruption. The total distance is now 117 feet 9 inches. No important change has yet developed itself. Some bands of black schist, carrying iron pyrites, have been passed through, and a considerable increase of water has been met with amounting to 300 gallons per hour.—Geo. R. Tilly.

THISTLE REEF GOLD.—The manager reports: Mine. All the

through, and a considerable increase of water has been met with, amounting to 300 gallons per hour.—Geo. R. Tilly.

THISTLE REEF GOLD.—The manager reports; Mine. All the pay ore has been removed from collar of No. 1 shaft to low level dump, also from the top level dump; so we have now over 2000 tons of nice ore at the low level dump. The low level drive has been extended 37 feet, and is now 49 feet from where I started. At this point I made a rise of 22 feet to connect No. 2 winse, which was completed on the 18th inst. During the time I was making this rise I had to stop driving forward, but have now started again. The width of the reef is 6 feet, which is panning from day to day about 5 dwts. or 6 dwts.—The top level. 37 sets of good timber have been put in to enable stoping to be carried on expeditiously; also an ere pass and shoot has been erected to save handling. Pannings from the stopes show the ore to be equally as good as in the other ends.—Eastern workings. I have struck the reef in the crossout, which pans very well; so I have struck the reef in the crossout, which pans very well; so I have struck the reef in the crossout, which pans very well; so I have struck the reef in the crossout, which pans very well; so I have struck the reef in the crossout, which pans very well; so I have struck the reef in the crossout, which pans very well; so I have struck the reef in the crossout, which pans very well; so I have struck the reef in the crossout, which pans very well; so I have struck the reef in the crossout, which is getting very scarce, as I mentioned in my previous letter, and it will be as well to have a lot on hand.

KAPANGA.—W. H. Argall, June 6: I beg to hand you report for four weeks ending 2nd inst. Larnach's engine shaft has been sunk by 12 men during the month 11 feet, total depth 687 feet. In sinking several quartz veins were intersected at intervals, the country be-tween also changed for the better, becoming more like the class of sandstone met with in the shallow levels where the rich ore was encountered. At the bottom of the shaft we struck a well defined encountered. At the bottom of the shaft we struck a well defined reef, bearing about north 25 west underlying to the west at angle of 709 from the horizon. It is about 3\(\frac{1}{2}\) feet wide, carrying 3 inches of quartz against the hanging wall; under the quartz there is about 10 inches of log or clay, which is of a dark colour and looked on as a good indication for making the reef productive. The footwall portion is a fine body of quartz which is charged with iron pyrites and letting out water freely. Several samples of the ore were washed, and resulted in finding a little gold, some of the colours being quite coarse, but the majority were very fine. The reef is everything that can be desired, and seeing that it is auriferous at this depth of 687, tends to show that our predictions will, in all probability, turn out to be true, and that in depth rich ince. The reef is everything that can be desired, and seeing that it is auriferous at this depth of 687, tends to show that our predictions will, in all probability, turn out to be true, and that in depth rich ore will be found, and especially so, at or near the junction of the Scotty's and Kapanga reefs. During the month the sinking of the engine shaft was delayed through fixing new pitwork. The shaft has been timbered and divided, ladder road put in, and all ladder sollars, cage roads, &c., fixed. Below the 300 feet level on Scotty's reef a winze has been sunk 11 feet, from which we have obtained a little gold, and we are hoping this block will prove very remunerative as it is just under the No. 3 shoot of gold. No stoping has been done, as the men were employed in retimbering the main drive, &c. We have crushed 3 tons of quartz, yielding 30 ounces 16 dwts. of gold. All the machinery is working well.—Coromandel section. The men working here on tribute are doing fairly well.—On No. 4 block. Three men sunk a winze on the branch leader, and also did some driving and stoping, they have crushed 5 tons of ore and 38 lbs. of picked stone, yielding togather 105 ounces 8 dwts. of retorted gold.—No. 7 block. Two men are working in this ground, butduring the month have done very little development work on the reef. They have now started to drive on the new reef south from the crosscut tunnel. The footwall portion of the reef is about 9 inches in width, several veins mixed with country rock are in the hanging wail part, which taken together from wall to wall, will mean about 4 feat; in width. Strone blockser. wall park, which taken together from wall to wall, will mean about 4 feet in width. Strong blotches of gold were seen in the quartz during the last breakdown, but no specimen stone. Altogether the reef looks very healthy, and can be valued at over 5 ounces of gold per ton of ore.—No. 15 Block. Three men have driven north and south of the crosscut 4 and 6 feet respectively on the new reef, which has averaged about 2 feet in width. In the new gold in the respectively on the new reef, which has averaged about 2 feet in width. In the on the new reef, which has averaged about 2 feet in width. In the end going north at present the reef has narrowed to 10 inches, Good gold is still being got, and also some from the bottom of the drive, which shows that it goes down. The reef in the end can be valued at 10 ounces of gold to the ton; 1½ ton and 5½ lbs, of picked stone were crushed, yielding 21 ounces 13 dwts. of melted gold. They have now in hand about 3 tons of general quartz and 14 lbs, of rich specimens. I am well pleased with this reef, and it has every appearance of being permanent, seeing that the best gold has been extracted from the floor of the drive; it looks well and there is not the least doubt in my mind that rich deposits will be encountered below sea level.

NUNDYDROOG .- July 3: Report of the work done for the month of June: Taylor's shaft sank 12 feet, total depth 1085 feet. The lode in bottom of shaft is 2½ feet wide and assays 14 dwts. per ton. The sinking of this shaft is temporarily suspended while we drive off the 1080 levels and out plats. 1080 sooth driven 3 feet, total length 3 feet. The lode is 2 feet wide and assays 15 dwts. per ton. 1080 north driven 21 feet, total length 21 feet. The lode is a feet lode 24 feet wide and assays 100 north driven 21 feet, total length 21 feet. The lode is a fine lode 2½ feet wide and assaying 3½ ounces per ton. 1000 north driven 22½ feet, total length 512½ feet. The lode is opening out, being now 1 foot wide and assaying 8 dwts. per ton. 1000 north No. 2 crossent east driven 44 feet, total length 44 feet, this is now stopped. 1000 north No. 1 crosscut east driven 201 feet, total length 321 feet, this is now stopped. 1000 south crosscut east driven 111 feet, total length 111 feet. This crosscut has been started near south boundary. 920 north No. 2 drive driven 70 feet, total length 11½ feet, total length 11½ feet. This crosscut has been started near south boundary. 920 north No. 2 drive driven 70 feet, total length 220 feet. The lode is 3 feet wide and assays ½ ounce per ton. 920 north winze sunk 45 feet, total depth 45 feet. The lode is somewhat smaller than when last reported, being now 4 feet wide and assaying 1 ounce per ton. 840 north crosscut east driven 24 feet, total length 24 feet. The ground is very hard here, and there is no change. 760 north No. 1 back stope stoped 4 fathoms in a lode 5 feet wide assaying 15 dwts. per ton. 760 north No. 2 back stope stoped 22 fathoms in a lode 2 feet wide, assaying 16 dwts. 6 grains per ton. 680 north driven 13½ feet, total length 266½ feet. This drift is now suspended. 680 north crosscut west driven 24 feet, total length 24 feet, 680 north crosscut west driven 27 feet, total length 27 feet. There is no change to report in these crosscuts, and the ground continues very hard in them.—Main shaft below 760. This shaft is now completed to the 840 level. Kennedy's shaft sunk 9 feet, total depth 549 feet. them.—Main shaft below 760. This shaft is now completed to the 840 level, Kennedy's shaft sunk 9 feet, total depth 549 feet. We have been considerably hindered here during the past fortnight through breaking of the pump rods. 520 south driven 57½ feet, total length 100 feet. The lode is 1½ foot wide and assays 1 ounce 19 dwts. per ton. 520 north driven 40½ feet, total length 105 feet. The lode is 9 inches wide and assays 19 dwts, 12 grains per ton. 520 north rise risen 70½ feet, total height 70½ feet. The lode is 3 feet wide, assaying 2 ounces 15 dwts. 6 grains per ton. 440 north rise risen 50 feet, total height 59 feet, when we holed the 370 north bottom stope. The lode is 3 feet wide, assaying 15 dwts, per ton. 440 north back stope stoped 41 fathoms in a lode 10 feet wide, assaying 2 ounces per ton. 440 south back stope stoped 23½ fathoms in a lode 3 feet wide, assaying 8 dwts. 18 grains per ton. 370 north crosscut west driven 4 feet, total length 4 feet. North shaft sunk 4 feet, total depth 444 feet. The sinking of this shaft is now suspended on account of water. The drives, stopes, &c., working by hand labour are as follows:—1000 south winze ground cut 3 feet 6 inches, total distance 3 feet 6 inches, size of lode 1 foot, assay value 5 dwts. 12 grains. 1000 1000 south winze ground out 3 feet 6 inches, total distance 3 feet 6 inches, size of lode 1 foot, assay value 5 dwts. 12 grains. 1000 south bottom stope ground out 12 feet, size of lode 6 inches, assay value 8 dwts. 18 grains. 920 north drive ground out 10 feet, total distance 104 feet, size of lode 6 inches, assay value 7 dwts. 12 grains. 920 north crossout west ground out 5 feet, total distance 5 feet. 680 north winze ground out 8 feet, total distance 52 feet, size of lode 6 inches, assay value 9 dwts. 18 grains. 680 north rise and stope ground out 1 foot, size of lode 1 foot, assay value 10 dwts. 18 grains. 680 north No. 1 bottom stope ground out 22 feet, size of lode 1 foot, assay value 6 dwts. 12 grains. 680 north No. 2 bottom stope ground out 27 feet, size of lode 2 feet, assay value 12 dwts. 680 north No. 1 back stope ground out 3 feet, size of lode 1 foot, assay value 5 dwts. back stope ground out 3 feet, size of lode 1 foot, assay value 5 dwts.

12 grains, 600 north No. 2 bottom stope ground out 9 feet, size of lode 1 foot 6 inches, assay value 12 dwts. 600 north No. 3 bottom stope ground out 28 feet, size of lode 1 foot 6 inches, assay value 13 dwts. 600 north No. 4 bottom stope ground out 21 feet, size of lode 1 foot 6 inches, assay value 12 dwts. 600 north intermediate ground out 8 feet, total distance 34 feet, size of lode 1 foot, assay value 3 dwts. 6 grains. 600 north No. 1 back stope ground out 27 feet, size of lode 6 dwts. 600 north No. 2 back stope ground out 27 feet, size of lode 1 foot, assay value 9 dwts. 18 grains. 520 north No. 1 bottom stope ground out 18 feet, size of lode 1 foot, assay value 9 dwts. 18 grains. 520 north No. 1 bottom stope ground out 18 feet, size of lode 1 foot, assay value 7 dwts. 12 grains. 520 north No. 1 9 dwts. 18 grains. 520 north No. 1 bottom stope ground out 18 feet, size of lode 1 foot, assay value 7 dwts. 12 grains. 520 north No. 2 bottom stope ground cut 4 feet, size of lode 1 foot, assay value 7 dwts. 520 north No. 3 bottom stope ground out 29 feet, size of lode 9 inches, assay value 10 dwts. 520 north No. 4 bottom stope ground out 19 feet, size of lode 1 foot 6 inches, assay value 8 dwts. 18 grains. 520 north No. 1 back stope ground cut 27 feet 6 inches, size of lode 1 foot 3 inches, assay value 6 dwts. 12 grains 370 north No. 1 back stope ground cut 25 feet, size of lode 1 foot 3 inches, assay value 8 dwts. 18 grains.—Kennedy's: 95 north No. 1 bottom stope ground cut 23 feet 6 inches, size of lode 3 feet, assay value 12 dwts. 95 north No. 2 bottom stope ground cut 16 feet 6 inches, size of lode 1 foot, assay value 6 dwts. 12 grains. 160 north intermediate ground cut 9 feet, total distance 165 feet, size of lode 4 inches, assay value 5 dwts. 12 grains. 160 north intermediate ground cut 15 feet, total distance 165 feet, size of lode 6 inches, assay value 1 ounce 5 dwis, 12 grains. 160 north intermediate winse ground cut 13 feet, total distance 37 feet, size of lode 6 inches, assay value 1 cunce 12 dwis, 12 grains. 300 south No. 1 back stope ground cut 30 feet,

size of lode 2 feet, assay value 15 dwts.: 300 couth No. 2 back stope ground cut 26 feet 6 inches, size of lode 2 feet, assay value 2 cunces 6 dwts. 12 grains. 300 north No. 2 back stope ground cut 22 feet, size of lode 2 feet, assay value 2 cunces. 300 north No. 3 back stope ground cut 40 feet, size of lode 4 feet, assay value 17 dwts. 6 grains, 370 north No. 1 bottom stope ground cut 14 feet, size of lode 6 inches, assay value 4 dwts. 6 grains. 370 south drive ground cut 6 feet, total distance 202 feet, size of lode 2 feet, assay value 18 dwts. 12 grains. 440 south drive ground cut 18 feet, total distance 323 feet, size of lode 2 feet 6 inches, assay value 1 conce 9 dwts. 6 conces.—Mills: Both mills and tailings machinery are running well.—Health: The health of the camp generally is good; two Italians are off work.—New mill samples: Rough quariz through stonebreaker, 1 conce 2 dwts. 18 grains; smalls, 1 conce 10 dwts. 6 grains.—Old mill samples: Rough quariz through stonebreaker, 6 grains.—Old mill samples: Rough quariz through stonebreaker. 6 grains.—Old mill samples: Rough quartz through stonebreaker, I ounce 5 dwts.; smalls, I ounce 2 dwts. 18 grains.

PROVINCIAL SHARE MARKETS.

THE CORNISH MINE SHARE MARKET.

R. SAMUEL JOHN DAVEY, Dealer in Cornish Mine Shares, Redruth, Cornwall, reports under date of July 26 (4 o'clock) as follows:—We have had a dull market all the week, without much change. Market is very quiet to-day. Following are quotations:—Blue Hills, \(\frac{1}{2}\) to \(\frac{1}{2}\); Carn Brea, \(\frac{1}{2}\) to \(\frac{1}{2}\); Cook's Kitchen, \(\frac{1}{2}\) to Delocath, \(\frac{1}{2}\) to \(\frac{1}{2}\); Following, \(\frac{1}{2}\) to \(\frac{1}{2}\); South Condurrow, \(\frac{1}{2}\) to \(\frac{1}{2}\); South Crofty, 1 to \(\frac{1}{2}\); South Wheal Frances, \(\frac{3}{2}\) to \(\frac{1}{2}\); Tincroft, \(\frac{9}{2}\) to 1\(\frac{1}{2}\); Wheal Basset, 1 to 1\(\frac{1}{2}\); Wheal Kitty, \(\frac{1}{2}\) to 1\(\frac{1}{2}\); to \(\frac{1}{2}\); Wheal Kitty (St. Agnes), \(\frac{3}{2}\) to \(\frac{1}{2}\); bolberro, \(\frac{1}{2}\) to 1\(\frac{1}{2}\); to 1\(\frac{1}{2}\); to 1\(\frac{1}{2}\); to 1\(\frac{1}{2}\); to 1\(\frac{1}{2}\); wheal Kitty (St. Agnes), \(\frac{3}{2}\) to \(\frac{1}{2}\); bolberro, \(\frac{1}{2}\) to 1\(\frac{1}{2}\); to 1\ Polberre, 1 to 1

Mr. MICHAEL WILLIAMS BAWDEN, Mining and Assaying Offices, Mr. MICHAEL WILLIAMS BAWDEN, Mining and Assaying Offices, Liskeard, Cornwall, writes (July 26) as follows:—The mining market is exceedingly quiet, and devoid of any improving feature, prices generally are nominal with almost an absence of business. Closing prices:—Blue Hills, 4s. to 5s.; Carn Brea, 6½ to 6½; Cook's Kitchen, 4s. to 5s.; Devon Consols, 1 to 1½; Dollocath, 62½ to 63; Drakewalls, 3d. to 6d.; East Pool, 7½ to 7½; Killifreth, 2½ to 2½; Levant, 5 to 5½; Phoenix United, 5s. to 6s. 6d.; Polberro, ½ to 1; South Crofty, 1 to 1½; South Frances, ½ to ½; Tincroft, 9½ to 10; West Frances, 1½ to 2; West Kitty, 5½ to 5½; Wheal Agar, 1 to 1½; Wheal Basset, 1½ to 1½, c.p.; Wheal Grenville, 16 to 16½, x.d.; Wheal Kitty, 6s. to 7s. 6d.

Messrs. ABBOTT AND WICKETT, Stock and Share Brokers, and fining Share Dealers, Redruth, write under date of Thursday aly 26:—There has been no feature of note in the Cornish Share July 26:—There has been no feature of note in the Cornish Share Market during the past week, and prices do not show much change, Business has been limited, and chiefly confined to Dolcoaths, Tincrofts, and Killifreths. Quotations herewith (four o'clock):—Blue Hills, \$\frac{3}{6}\$ to \$\frac{4}{6}\$; Canr Brea, 6\frac{1}{6}\$ to 6\frac{2}{6}\$; Cook's Kitchen, \$\frac{1}{6}\$ to \$\frac{3}{6}\$; Dolcoath, 63 to 64; East Pool, 7 to 7\frac{1}{2}\$; Killifreth, \$2\frac{1}{6}\$ to 3; Polberro, \$\frac{1}{6}\$ to 1\$\frac{1}{6}\$; South Condurrow, \$\frac{3}{6}\$ to \$\frac{1}{6}\$; South Crofty, 1\$\frac{1}{6}\$ to 1\$\frac{1}{6}\$; South Frances, \$\frac{1}{6}\$ to \$\frac{1}{6}\$; Wheal Agar, 1 to 1\$\frac{1}{2}\$; Wheal Basset, 1\$\frac{1}{2}\$ to 2; Wheal Grenville, 16 to 16\$\frac{1}{2}\$; Wheal Kitty, 6\$, 6d. to 8\$, 6d. Tin. £66.

MANCHESTER.

MANCHESTER.

Messrs, Joseph R. and W. P. Baines, Stock and Share Brokers, Queen's Chambers, 7, Market-street, write, July 26, 1894 (noon):—With but a poor total of business passing during the week, there are some more or less distinct changes in prices to record. In home ralls these changes are contradictory, but numerically the balance is on the downward side, whilst in Americans lower prices are the rule, without (amongst the generally active stocks) any exceptions. There having been at times some fluctuations, we may best report the daily changes with above remarks as a summary thereof. On Friday last home rails showed better generally, with Chathams and "Macs" to the front, a fair business being done in Chathams and British New Ordinary at improving figures. Other business was British New Ordinary at improving figures. Other business was made up in nearly all cases of solitary markings, Americans beginning lower on ease from the other side, did not recover all day, and ning lower on ease from the other side, did not recover all day, and very few transactions were reported. Not a mark in Canadians or in Mexican rails. Saturday quiet, as usual. Home rails unchanged! In Americans, Atchisons showed weakness, but there were no other changes of importance in this market. Canadians were irregular, Pacifics being put up \$1, whilst Trunk issues were rather easier. Mexicans quite neglected. Monday brought the dividend announcement on Lancashire and Yorkshire Railway, and though this was \$\frac{1}{2}\$ per cent, better than last year, with about the same amount forward, it did not move the market as might have been expected; on the contrary, Home Rails as a rule were a little easier. In Americans, Atchisons fell away sharply, and this gave the one to the market, lower prices throughout the list being marked. Mexicans and Canadians again not marked for business. Tuesday exhibited weakness all along the line, perhaps owing to the occurrence of the settlement. In Home Rails, Lancashire and Yorkshire and Great Easterns showed a little improvement, but otherwise lower prices settlement. In Home Rails, Lancashire and Yorkshire and Great Easterns showed a little improvement, but otherwise lower prices have prevailed, Metropolitan District and Sheffield deferred being to the fore therein. Americans began lower, reflected from New York, but only Union Pacifics came in for special drubbing, and though they all finished lover on the day a part of the fall during the day was recovered on some instances near the close. A solitary mark in Grand Trunk Ordinary comprised all done in Canadians, and Mexicans were without business, nor were prices herein affected to any extent by the traffics announced. Yesterday home rails moved peculiarly, those that advanced yesterday declining, and the declines of yesterday to day showing better. It was only in quotations, however, as there were hardly any dealings accorded herein. In Americans, Union Pacifics were done a few times, but there was very little indeed going on; still the tone was a trifle firmer generally. The Canadian market, as well as that for Mexicans, quite neglected. Traffic announcements brought out nothing which had any effect on prices or business. The opening this morning is a little irregular on Home Rails, changes from last night being here and Home Rails, changes from last night being here and there is or or so different to last night's close, Ameri-cans begin lower than last evening. Canadiaus and Mexi-cans open same as last night. Business outside the Railcans open same as last night. Business outside the Railway markets has been restricted also, but prices where changed, show changes in nearly all, if not all, departments with advances in majority. Consols are the turn (1-16 to 3-16) lower on the week. In Colonials advances of \(\frac{1}{2} \) each in Canada Registered and Queen land In Colonials advances of \$\frac{1}{2}\$ each in Canada Registered and Queen land Inscribed are the only changes marked here. Home Corporation Stocke, &c., are unaltered save for Manchester issues, the Three per Cent. (red. 1941) being \$\frac{1}{2}\$ up, and the Three per Cent. (red. 1928) \$\frac{1}{2}\$ down. Foreigners are better in the great majority of instances, Argentines alone showing decline, viz., Six per Cent. \$\frac{1}{2}\$, and Five per Cent. \$\frac{1}{4}\$ to \$\frac{1}{4}\$, whilst the following are higher:—Italian Rentes \$1\frac{1}{2}\$; Brazilian Four and \$a\$-Half per Cent. \$1\$; ditto Four per Cent. \$1\$; Four per Cent. \$1\$; Control of the Control of the Cent. \$1\$; the control of t Egyptian Unified, $\frac{1}{2}$; Spanish Four per Cent, $\frac{1}{2}$; Mexican Six per Cent, $\frac{1}{2}$; Portuguese Three per Cent, $\frac{1}{2}$; Uruquay Three and a-Haif

ot., 8.

Several transactions are recorded in Districts and a few Recorded in Districts and a BANKS.—Several transactions are recorded in Districts and a few in Consolidateds; otherwise little doing. Prices, however, where moved are mostly upwards, Mercantile of Lancashire being the only declines (1-16 to ½), whilst Bank of Liverpool is ½ to ½; Imperial Of Persia, ½; Manchester and County, ½; Parr's, ½; and London and Midland, ½.

INSURANCE.—Rather more doing than of late. Higher: Lancashire, ½; Commercial Union, ½; Boyal, ½; Manchester Fire, Maritime and Sea 1-16 each; and Equitable Fire, 1s. Lower: British and Foreign Marine, ½; Union Marine, 1-16 to 3-16; and Palatine, 1-16. BANKS.

Rain an ex that the

Co

COAL, IRON, &c.—Hardly anything doing. Higher: Bolokow Preference, #; ditto Ordinary fully paid, #; Patent Nut and Bolt, #;

Sheepbridge A, 1; and Tredegar A, 1. Lower: Ebbw Vales, 1-

COTTON SPINNING, &c.—Market lifeless, and prices almost un

COTTON SPINNING, &c.—Market lifeless, and prices almost untested, but lower where altered at allMines.—A few solitary markings in Tintos and Consolidated Gold Fields all dene here. Consolidated Gold Fields are 1-16 better. Tintos are 7-16, Mysores 1-16 to 3-16, and Cape Copper 1-16 lower. Telegraphs and Telephones.—Without business, save in National Telephone Ordinary, there are the following variations in quotations:—Higher: Direct United States, \$\frac{1}{2}\$; Eastern Telegraph, \$\frac{1}{2}\$; and Eastern Extension, \$\frac{1}{2}\$; National Telephone Ordinary 1-16 to \$\frac{1}{2}\$; and Consolidated Telephone, 1-16.

Breweries.—Allsopps have fluctuated wildly, and are 3 down on balance. Manchester Brewery are \$\frac{1}{2}\$ down. Higher; Springwell Ordinary, \$\frac{1}{2}\$; ditto Preference \$\frac{1}{2}\$; and Tampline, \$\frac{1}{2}\$.

MISCELLANNOUS.—Canals very quiet, the ordinary are 1-16 better, whilst pref. show decline of 1-16 to \$\frac{1}{2}\$. Blackpool Pier 2 to 3, Brunner Mond 14, Hudsons Bay \$\frac{1}{2}\$, Suez Canal 2, Gas Light and Coke A 1 to 3, Chartered S. A. 2-1, Coats \$\frac{1}{2}\$, Salt Union ordinary 3-16, and United Alkali ordinary 3-16 higher. Lower—Chadwicks ordinary \$\frac{1}{2}\$, Eastmans \$\frac{1}{2}\$, Liverpool and Plate Glass \$\frac{1}{2}\$, Fowler Bros. 1-16, and Seddons Tyres 1.

LATER (40 p.m.)—Notwithstanding that the Metropolitan District dividend announcement gives 1 per cent. more on the preference, it had no effect on the market for their ordinary stock. The only changes in Home Rails are 'advances in Great Eastern of about 1 per and North Easterns \$\frac{1}{2}\$. Applying the properties of the preference, it had no effect on the market for their ordinary stock.

it had no enect on the market for their ordinary stock. The only changes in Home Rails are 'advances in Great Eastern of about 1 per'cent, and North Easterns 1. Americans a little lower, but small in amount save for Mi waukees, which are about \$1 down, Canadians and Mexicans still neglected. Ship Canals, nothing of moment deling and prices unaltered doing, and prices unaltered.

SCOTCH MINING AND INDUSTRIAL COMPANIES SHARE MARKETS.

STIRLING .- Mr. J. GRANT MACLEAN, Stockbroker and Ironbroker STRUING.—MI. J. CHANT SIACLEAN, SOCKOFORER and Itohoroker (July 26), writes:—During the past week the markets have continued quiet, owing partly to the holidays and to the intervening fortnightly settlement. The rates of continuation to the new account have been very light, notwithstanding it is a 19 days settlement. The miners' strike is still unsettled, and is affecting trade generally. In shares of coal, iron, and steel companies, business has been quiet. The dividend on Cowdenbeath Coal Company Ordinary shares is announced at 15 per cent, the same as at this time last

quiet. The dividend on Cowdenheath Coal Company Ordinary shares is announced at 15 per cent., the same as at this time last year. Bolckow Vaughan are at 10; Ebbw Vale, 8½; Marbella, 52s.; Niddrie, 40s. 6d.; Sheepbridge, 16½; Steel Company of Scotland, 47s. 6d.

In shares of copper concerns there has been little business doing. Tharsis have been sold from 87s. 6d. to 88s. 6d., and Tinto have declined from 13 1-16 to 12s. Arizona firmer at 6s. 3d.; Cape,

In shares of gold and silver mines a fair amount of business has been done, and prices are inclined to improve. Montana declined to 12s. 6d., but have recovered to 14s. Broken Hill Proprietary firmer to 12s. 6d., but have recovered to 14s. Broken Hill Proprietary firmer on the upward tendency of the silver market and a further dividend of 1s. per share. Day Dawn Block have also advanced on more encouraging reports from the mine. African Gold Recovery and Cassel shares have been very flat on the adverse statements as to the probable result of the lawsuit regarding the patents. American Belle are at 2s. 6d.; British South Africa Chartered, 31s. 3d.; Balaghat, 5s. 6d.; Blue Spur, 1s. 6d.; Consolidated Gold Fields of South Africa, 44s. 3d.; Craven's Caledonis, 4s. to 6s.; Champion Reef, 75s.; Caratal, 6d.; Kapanga, 2s. 9d.; Kempinkote, 3s.; Lisbon-Berlyn, 2s. 3d.; Mallina, 12s. 6d.; Mysore Wynaad, 3s. 3d.; Moonstone, 6s.; New Guston, 16s. 3d.; New Louis d'Or, 4s. 6d.; Otto's Kopje, 2s. 3d.; Orita, 2s. 3d.; Pigg's Peak, 3s.; Spitzkop, 4s. 3d.; St. Augustine, 1s.; Sunburst, 1s. 9d.; and True Blue Block, 2s. 6d.

In shares of miscellaneous companies there has not been much business doing. In oil companies Linlithgow are at 10s. to 12s. 6d.

business doing. In oil companies Linlithgow are at 10s, to 12s. 6d., and Young's 21s.. Nobel's Explosives are at 13s; Phospho Guano, 72s. 6d.; Roburite Explosives, 25s. to 30s.; and White Lead, 3s. 6d.

N.B.—As usual at the holiday season the issue of above report will be discontinued for a few weeks.—J. G. M.

EDINBURGH.

EDINBURGH.

Messrs. Thomas Miller and Sons, Stock and Share Brokers, 69, Hanover-street, Edinburgh, report as follows under date of July 26:—The past week has been a very-quiet one. Caledonian Railway Deferred Stock has receded from 43 15 16 to 43½, North British from 38½ to 38 9 16, Glasgow and South Western from 106 to 106½, Brighton Deferred from 166½ to 155½, South Eastern Deferred from 80½ to 79½. Great North of Scotland has improved from 92 to 93¾. Bank shares are lower where changed. Clydesdale have gone from 21½ to 21, Boyal from 236 to 235½, Union from 229-16 to 22½. Insurance shares towards the end have been enquired for, and prices have advanced. Alliance have risen from 9 11-16 to 9½, Commercial Union from 30½ to 31, Lancashire from 5 to 5 11-16. Liverpool and London and Globe from 44 to 45½, Royal from 47½ to 45½, Scottish Union and National A from 83s, to 84s., North British and Mercantile from 33½ to 34. British South Africa shares have improved from 28, 9d. to 33s, 3d. The shares of a few investment companies have risen to a small extent. Distillers, Coats, and Edinburgh Tramways are all unchanged. Union Steamship of New Zealand 2s, 6d. lower at 7½.

JOINT-STOCK COMPANIES.

NEW REGISTRATIONS.

THE following are among the joint-stock companies registered at Somerset House since our last notice:—

"E" Syndicate (Limited),—Registered by Metchim and Son, 32, Clements Lane, E.C., with a capital of £415 in 1s. shares. Object, to carry on every description of exploration and mining business. Registered without Articles of Association.

Empress of Coolgardie Gold Mine (Limited),—Registered by Williams and Neville, 23, Austin Friar's Exchange, with a capital of £90,000, in £1 shares. Objects: To acquire by purchase, on lease or otherwise, work, and turn to account, two mineral properties, known as Nos. 41 and 91, situate in the Coolgardie Gold Field, colony of Western Australia, with a view thereto to enter into and carry into effect the agreement mentioned in Clause 4 of the Companies Acts of Association, dated 3rd July, 1894, between Zebina Lane and the English and Scottish Syndicate (Limited) of the one part, and Robert Clarke (for the company) of the other part, and to carry on the healess of mining in all or any the other part, and to carry on the business of mining in all or any

Eastern Concessions (Limited).—Registered by W. Rawlins, 52, Queen Victoria Street, E.C., with a capital of £10,000 in £10 shares. Object, to enter into an agreement with M. Tuite, and to carry on business as financiers, bankers, company promoters, explorers, ko. There shall not be less than three nor more than seven directors; the first to be elected by the signatories to the Memorandum of Association. Qualification, one share. Remuneration, 5 per cent. of the net profits divisible.

Yilgarn Syndicate (Limited).—Begistered by Budd and Company, 24, Austinfriars, E.O., with a capital of £1500 in £1 shares, Object, to acquire, develop, and turn to account any lands, property, mines, &c., in Western Australia. Most of the regulations contained in Table A apply.

COMPANIES AND LEGAL ANNOUNCEMENTS.

dvertisements are inserted in this column at 9d. per line with a minimum charge of 7s. 6d.

THE PESTARENA UNITED GOLD MINING COMPANY (LIMITED).

10 PER CENT. SECOND MORTGAGE DEBENTURES.

NOTICE IS HEREBY GIVEN, that the Coupons numbered 32 and 33, of the 10 per cent. Second Mortgage Debentures of this company, due 1st December, 1893, and 1st June, 1894, respectively, will be paid at the Office on and after the 30th day of July,

The Directors are prepared to issue to the Debenture-holders fresh sheets of Coupons, with the Coupon No. 33 detached, and for such purpose the Debentures must be left at the Office of the Company.

By Order of the Board,
RICHARD GARLAND, Secretary.
Office, 7, Queen Street Place, London, E.C.,
25th July, 1894.

WANTED.

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THE ELECTRIC BLASTING APPARATUS COMPANY, Cinderford, Gloucestershire (established over 20 years), wish to APPOINT a FEW AGENTS in Colliery Districts, to sell their High and Low Tension Electric Fozes (Brain's Patent) made for use with any explosive, also Electric Batteries and firing cables.

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THE MANAGERS beg to give notice that on the PUBLIC AUCTION, to be held at Batavia on August 29, 1894, will be sold about

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A. v. KAPPEN, Director. M. G. STAAL, Secretary.

The Hague, July 23rd, 1894.

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MISCELLANEOUS MEETINGS.

NEW ZEALAND THAMES VALLEY LAND COMPANY, LIMITED.

The loss considerably reduced.

THE above-named company held its ordinary general meeting on Wednesday, at Dashwood House, New Broad-street, E.C., Mr. Henry Kimber, M.P., presiding.

The Secretary having read the notice convening the meeting, The Charman said: Gentlemen, the reports of the directors and Mr. Murray, our local director, give you the result of our operations in New Zealand during the past 12 months, and you will see that, stated shortly, both reports are a record of the progress made in the development and stocking of our large estate. Probably the most concise summary of the operations will be found on the last page of the local director's report, in which you will see he has stated shortly the different heads under which he has expended the money which we placed at his disposal. Up to the time of his writing he had expended £2295 in these operations, which he then said were nearly completed, and disposal. Up to the time of his writing he had expended £2295 in these operations, which he then said were nearly completed, and at their completion he considered the estate would be well equipped and in good working order. Our flocks and herds have, of course, increased. At the date of the closing of the year's accounts—March 31—we had 1971 head of cattle, 98 horses, and 17,278 sheep, and we had, of course, a very much larger breadth of land under the plough and under grass. The effect of these operations upon the financial status quo was to reduce the loss, which in the previous accounts amounted to £3549, to the sum of £791 19s. 3d.: so that, although we are not making a profit, we are reducing the inevitable loss which attends the earlier operations of a large property such as this. As was discussed and explained at the former meeting, it is impossible for the owners of a large property like ours to sit on it and do nothing. Holding it involves some expense and very considerable loss. You must have someone to look after the property to keep it together and take care of it. If you do not, it is true you may save in salaries, but you lose in deterioration and discredit of the property. The financial result of the year would have been much better if the whole of the improvements upon which the money has been expended had been in a position at that date to earn money; but its full earning power had not arrived at foreits. money; but its full earning power had not arrived at fruition. For instance, the year's accounts only bring in a profit of about 10,000 sheep, whereas we had, at the close of the year, 17,278; so that the profit upon the sheep may this year be expected to be very much larger, and, in a similar manner, a large breadth—I think 1000 acres, Mr. Murray says—of extra land had been sown, upon which no return of any kind appears in the profit and loss account for the year now under review, but from which, through the mouths of our live stock, we may hope in the current year to see a profit which will appear in next accounts. I do not know that there is anything else I should say, but if anything occurs to you, gentlemen, I shall be very happy to answer questions to the best of my ability. I now beg to move, "That the report and accounts now presented be received and adopted."

Mr. J. McCosh Clark seconded the motion, and said he might supplement the Chairman's remarks, as an additional reason for

Mr. J. McCosh Clark seconded the motion, and said he might supplement the Chairman's remarks, as an additional reason for trying to do something with the property, by pointing out that it helped them to meet the rates and taxes, which in a big property like theirs was a pretty heavy amount—between £600 and £700. Further, by working and improving the land they would be able to show, when buyers came forward, that the land of the company could carry a fair number of stock, and that any small manageable farms could be worked at a profit. Thereby they might be better able to sell the land, which, after all, was the aim and object of the company.

Mr. Schmidt said he was afraid the hope of soon finding buyers was not likely to be realised. In Mr. Murray's renort there was a statement with regard to leasing land to Mr. Rich, but he did not see anything appearing in the accounts by way of rent.

The Secretary explained that the agreement with Mr. Rich was a favourable one, and he was given a lease of the property at a rental which was not to commence until the second year.

Mr Schmidt said one of the New Zealand financial companies was last year largely interested in the company. He should like to know whether that was still the case, and whether the call had been duly raid? call had been duly paid?

call had been duly paid?

The CHAIRMAN answered both questions in the affirmative.

Mr. Stobart asked if the directors were likely to make a call.

The CHAIRMAN said they hoped not. They had given Mr.

Murray instructions to keep within the estimates, and keep down expenditure as much as possible. The Chairman intimated that one of the directors (General the Hon. W. Fielding) was shortly going to New Zealand on private business, and had promised to visit the company's premises.

The motion was then unanimously carried.

The retiring directors (Mr. John Clark, Q.C., and General Fielding) were re-elected, on the motion of the CHAIRMAN, seconded by Mr. Stobart.

Mr. Schmidt proposed, and Mr. J. C. Mewbuen seconded, the reappointment of the retiring auditor (Mr. Samuel Slater), and this also was agreed to.

this also was agreed to.

A vote of thanks to the Chairman and directors, proposed by
Mr. Storart and seconded by Mr. Schmidt, terminated the pro-

THE chief iron ore field in Colorado, which is yet undeveloped or at least the one which has been the most thoroughly examined and explored, is 30 miles in an air line due east of Gunnison, and is known as the White Pine deposit. It is claimed that there are three distinct veins of iron ore on this property, one of which, a deposit of magnetic ore about 70 feet wide, was examined by the late Chas. A. Ashburner, who traced the outcrops for a distance of ‡ of a mile. The bed was not followed for a greater distance, as the area examined contained sufficient ore to supply for many years any demands which might be made upon it by an iron and steel plant comparable in size with any of the large plants at present operated in this country. Analyses of assorted ore from this deposit show 63.52 per cent. of metallic iron, 275 per cent. of silica, 0.32 per cent. of sulphur, and 0.13 per cent. of phosphorus. Specimens from the outcrop gave as high as 68 per cent. of metallic iron, and 0.10 per cent. of phosphorus.

INON ORE WASHING.—The Home Secretary, acting under the powers of the Factory and Workshop Act, 1878, has issued an order, operative from the 5th inst., permitting male young persons of 16 years or upwards to be employed at night in factories where the process of iron ore washing is carried on, it having been proved to the estisfaction of the right hon, gentleman that the nature of the business requires the work to be conducted throughout the night, and that such employment will not injure the health of the young targons therein angaged.

PUBLICATIONS.

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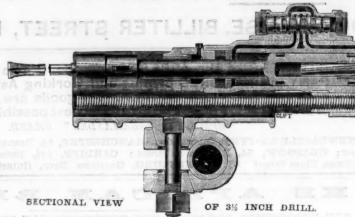
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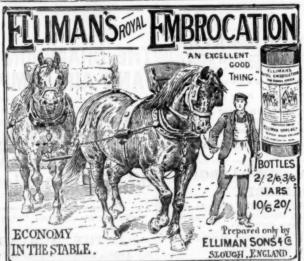
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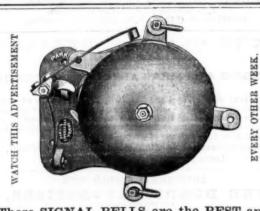
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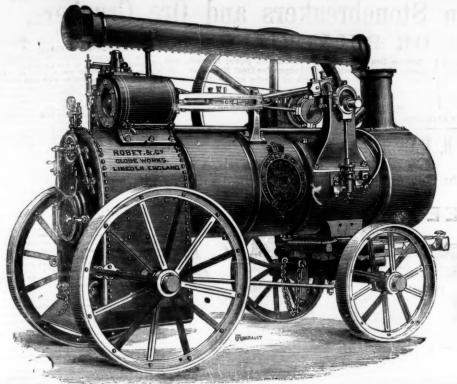
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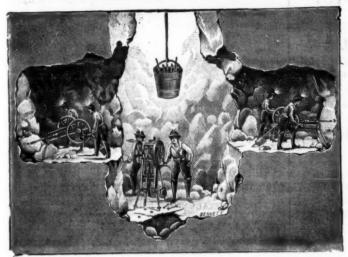
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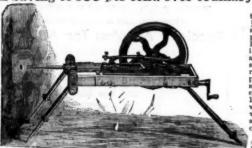
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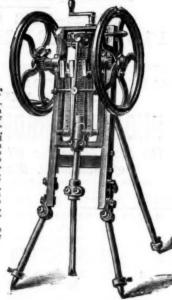
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"It is with the greatest satisfactorily two months, and answers its purpose most satisfactorily."

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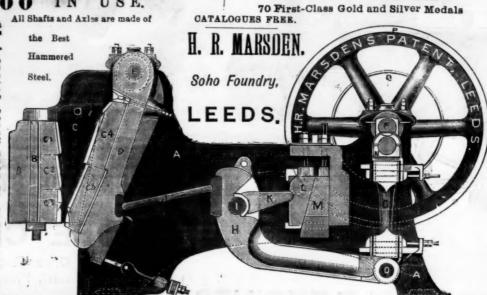
"In reply to your favour, I have much pleasure in informing you that the 12×3 Pulverizer we had from you is giving us avery astifaction. The material we are operating on is an exceptionally hard one. I am well estisfed with its working."

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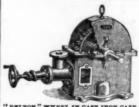
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